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<u>S2366</u>	<u>U</u>	USPT,PGPB,JPAB,EPAB,DWPI	(protease ) and prokaryot?	2003-04-16 16:03:05	
<u>S2365</u>	<u>U</u>	USPT,PGPB,JPAB,EPAB,DWPI	protease	2003-04-16 16:02:41	
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<u>S2363</u>	<u>U</u>	DWPI	10433	2003-04-16 15:59:49	
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# The tandem repeat domain in the *Listeria monocytogenes* ActA protein controls the rate of actin-based motility, the percentage of moving bacteria, and the localization of vasodilator-stimulated phosphoprotein and profilin

GA Smith, JA Theriot and DA Portnoy

Department of Microbiology, University of Pennsylvania, School of Medicine, Philadelphia 19104-4318, USA.

The ActA protein is responsible for the actin-based movement of *Listeria monocytogenes* in the cytosol of eukaryotic cells. Analysis of mutants in which we varied the number of proline-rich repeats (PRR; consensus sequence DFPPPTDEEL) revealed a linear relationship between the number of PRRs and the rate of movement, with each repeat contributing approximately 2-3 microns/min. Mutants lacking all functional PRRs (generated by deletion or point mutation) moved at rates 30% of wild-type. Indirect immunofluorescence indicated that the PRRs were directly responsible for binding of vasodilator-stimulated phosphoprotein (VASP) and for the localization of profilin at the bacterial surface. The long repeats, which are interdigitated between the PRRs, increased the frequency with which actin-based motility occurred by a mechanism independent of the PRRs, VASP, and profilin. Lastly, a mutant which expressed low levels of ActA exhibited a phenotype indicative of a threshold; there was a very low percentage of moving bacteria, but when movement did occur, it was at wild-type rates. These results indicate that the ActA protein directs at least three separable events: (1) initiation of actin polymerization that is independent of the repeat region; (2) initiation of movement dependent on the long repeats and the amount of ActA; and (3) movement rate dependent on the PRRs.

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**Construction, Characterization, and Use of Two *Listeria monocytogenes* Site-Specific Phage Integration Vectors**  
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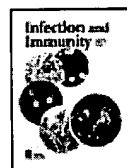


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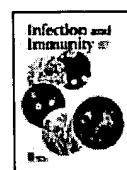
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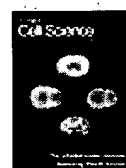
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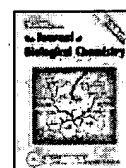
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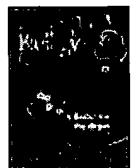
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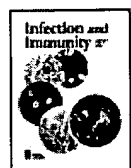
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M. M. Parast and C. A. Otey

### Characterization of Palladin, a Novel Protein Localized to Stress Fibers and Cell Adhesions

J. Cell Biol., August 7, 2000; 150(3): 643 - 656.

[Abstract] [Full Text]



Infection and Immunity

▶ HOME

L. S. Van Kirk, S. F. Hayes, and R. A. Heinzen

### Ultrastructure of *Rickettsia rickettsii* Actin Tails and Localization of Cytoskeletal Proteins

Infect. Immun., August 1, 2000; 68(8): 4706 - 4713.

[Abstract] [Full Text] [PDF]



JBC Online

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B. Drees, E. Friederich, J. Fradelizi, D. Louvard, M. C. Beckerle, and R. M. Golsteyn

### Characterization of the Interaction between Zyxin and Members of the Ena/Vasodilator-stimulated Phosphoprotein Family of Proteins

J. Biol. Chem., July 14, 2000; 275(29): 22503 - 22511.

[Abstract] [Full Text] [PDF]



JCB Online

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M. Krause, A. S. Sechi, M. Konradt, D. Monner, F. B. Gertler, and J. Wehland

### Fyn-binding Protein (Fyb)/SLP-76-associated Protein (SLAP), Ena/Vasodilator-stimulated Phosphoprotein (VASP) Proteins and the Arp2/3 Complex Link T Cell Receptor (TCR) Signaling to the Actin Cytoskeleton

J. Cell Biol., April 3, 2000; 149(1): 181 - 194.

[Abstract] [Full Text]



THE FASEB JOURNAL

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B. K. KAY, M. P. WILLIAMSON, and M. SUDOL

### The importance of being proline: the interaction of proline-rich motifs in signaling proteins with their cognate domains

FASEB J., February 1, 2000; 14(2): 231 - 241.

[Abstract] [Full Text]

JCB Online

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B. E. Drees, K. M. Andrews, and M. C. Beckerle





# **Molecular Dissection of Zyxin Function Reveals Its Involvement in Cell Motility**

J. Cell Biol., December 27, 1999; 147(7): 1549 - 1560.

[\[Abstract\]](#) [\[Full Text\]](#)



## **JBC Online**

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G. Cicchetti, P. Maurer, P. Wagener, and C. Kocks

# **Actin and Phosphoinositide Binding by the ActA Protein of the Bacterial Pathogen *Listeria monocytogenes***

J. Biol. Chem., November 19, 1999; 274(47): 33616 - 33626.

[\[Abstract\]](#) [\[Full Text\]](#) [\[PDF\]](#)



## **JCB Online**

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C. Egile, T. P. Loisel, V. Laurent, R. Li, D. Pantaloni, P. J. Sansonetti, and M.-F. Carlier

# **Activation of the CDC42 Effector N-WASP by the *Shigella flexneri* IcsA Protein Promotes Actin Nucleation by Arp2/3 Complex and Bacterial Actin-based Motility**

J. Cell Biol., September 20, 1999; 146(6): 1319 - 1332.

[\[Abstract\]](#) [\[Full Text\]](#)



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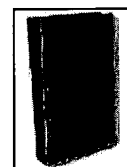
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J. R. Robbins, A. I. Barth, H. Marquis, E. L. de Hostos, W. J. Nelson, and J. A. Theriot

# ***Listeria monocytogenes* Exploits Normal Host Cell Processes to Spread from Cell to Cell**

J. Cell Biol., September 20, 1999; 146(6): 1333 - 1350.

[\[Abstract\]](#) [\[Full Text\]](#)



## **Annual Review of Genetics**

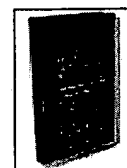
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K. Ireton and P. Cossart

# **HOST-PATHOGEN INTERACTIONS DURING ENTRY AND ACTIN-BASED MOVEMENT OF *LISTERIA MONOCYTOGENES***

Annu. Rev. Genet., January 1, 1997; 31(1): 113 - 138.

[\[Abstract\]](#) [\[Full Text\]](#)



## **Annual Review of Cell and Developmental Biology**

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S. Dramsi and P. Cossart

# **INTRACELLULAR PATHOGENS AND THE ACTIN CYTOSKELETON**

Annu. Rev. Cell. Dev. Biol., January 1, 1998; 14(1): 137 - 166.

[\[Abstract\]](#) [\[Full Text\]](#)



## **JBC Online**

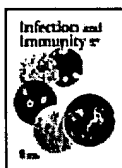
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C. Bachmann, L. Fischer, U. Walter, and M. Reinhard

# **The EVH2 Domain of the Vasodilator-stimulated Phosphoprotein Mediates Tetramerization, F-actin Binding, and Actin Bundle Formation**

J. Biol. Chem., August 13, 1999; 274(33): 23549 - 23557.

[\[Abstract\]](#) [\[Full Text\]](#) [\[PDF\]](#)



## Infection and Immunity

▶ HOME

R. A. Heinzen, S. S. Grieshaber, L. S. Van Kirk, and C. J. Devin  
**Dynamics of Actin-Based Movement by *Rickettsia rickettsii* in Vero Cells**

Infect. Immun., August 1, 1999; 67(8): 4201 - 4207.

[\[Abstract\]](#) [\[Full Text\]](#) [\[PDF\]](#)



## JCB Online

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V. Laurent, T. P. Loisel, B. Harbeck, A. Wehman, L. Gröbe, B. M. Jockusch, J. Wehland, F. B. Gertler, and M.-F. Carrier

**Role of Proteins of the Ena/VASP Family in Actin-based Motility of *Listeria monocytogenes***

J. Cell Biol., March 22, 1999; 144(6): 1245 - 1258.

[\[Abstract\]](#) [\[Full Text\]](#)



## Journal of Bacteriology

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M. Charles, J. Magdalena, J. A. Theriot, and M. B. Goldberg

**Functional Analysis of a Rickettsial OmpA Homology Domain of *Shigella flexneri* IcsA**

J. Bacteriol., February 1, 1999; 181(3): 869 - 878.

[\[Abstract\]](#) [\[Full Text\]](#)



## JCB Online

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S. H. Zigmond, M. Joyce, C. Yang, K. Brown, M. Huang, and M. Pring

**Mechanism of Cdc42-induced Actin Polymerization in Neutrophil Extracts**

J. Cell Biol., August 24, 1998; 142(4): 1001 - 1012.

[\[Abstract\]](#) [\[Full Text\]](#)



## Science

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M. D. Welch, J. Rosenblatt, J. Skoble, D. A. Portnoy, and T. J. Mitchison

**Interaction of Human Arp2/3 Complex and the *Listeria monocytogenes* ActA Protein in Actin Filament Nucleation**

Science, July 3, 1998; 281(5373): 105 - 108.

[\[Abstract\]](#) [\[Full Text\]](#)



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T. Lechler and R. Li

**In Vitro Reconstitution of Cortical Actin Assembly Sites in Budding Yeast**

J. Cell Biol., July 14, 1997; 138(1): 95 - 103.

[\[Abstract\]](#) [\[Full Text\]](#)

## The EMBO Journal

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K. Niebuhr, F. Ebel, R. Frank, M. Reinhard, E. Domann, U. D. Carl, U.

Walter, F. B. Gertler, J. Wehland, and T. Chakraborty

**A novel proline-rich motif present in ActA of *Listeria***



**monocytogenes and cytoskeletal proteins is the ligand for the EVH1 domain, a protein module present in the Ena/VASP family**

EMBO J., September 1, 1997; 16(17): 5433 - 5444.

[\[Abstract\]](#) [\[Full Text\]](#)



**Proceedings of the National Academy of Sciences**

[HOME](#)

P. Murrain, I. Lasa, A. Gautreau, E. Gouin, A. Pugsley, and P. Cossart

**ActA is a dimer**

PNAS, September 16, 1997; 94(19): 10034 - 10039.

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L2	1 S L1 AND LISTERIA
L3	47 S L1 AND DEVICE
L4	4 S L3 AND PROKARYOTE
L5	413014 S PROTEASE
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L7	92 S L6 AND LISTERIA
L8	65 S L7 AND DETECT?
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E12	9	SANDERSHA/BI

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L1 107 SANDERS/BI AND MITCHELL

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L2 1 L1 AND LISTERIA

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L2 ANSWER 1 OF 1 USPATFULL

AB Provided are methods of purifying and crystallizing Streptococcus pneumoniae acyl carrier protein synthase (AcpS) enzyme, crystals of AcpS, the use of such crystals to determine the three-dimensional structure of AcpS enzymes, and the three-dimensional structure of AcpS. The three-dimensional crystal structure of AcpS can be used in medical diagnostics to produce antibodies that permit detection of Streptococcus pneumoniae both in vitro and in vivo. The three-dimensional crystal

structure of AcpS can also be used in pharmaceutical discovery and development to identify and design compounds that inhibit the biochemical activity of AcpS enzyme in bacteria. Inhibitory compounds identified in this way can be optimized by structure/activity studies to develop antibacterial pharmaceutical compounds useful for the prevention or treatment of bacterial infections.

ACCESSION NUMBER: 2003:99695 USPATFULL  
TITLE: Use of streptococcus pneumoniae acyl carrier protein synthase crystal structure in diagnostics, antimicrobial drug design, and biosensors  
INVENTOR(S): Chirgadze, Nicholas Yuri, Indianapolis, IN, UNITED STATES  
Briggs, Stephen Lyle, Indianapolis, IN, UNITED STATES  
Zhao, Genshi, Indianapolis, IN, UNITED STATES  
McAllister, Kelly Ann, Indianapolis, IN, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003068802	A1	20030410
APPLICATION INFO.:	US 2001-897645	A1	20010629 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-215577P	20000630 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	ELI LILLY AND COMPANY, PATENT DIVISION, P.O. BOX 6288, INDIANAPOLIS, IN, 46206-6288	
NUMBER OF CLAIMS:	31	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	9 Drawing Page(s)	
LINE COUNT:	14574	

=> s 11 and device  
L3 47 L1 AND DEVICE

=> s 13 and prokaryote  
L4 4 L3 AND PROKARYOTE

=> d 14 ibib abs

L4 ANSWER 1 OF 4 USPATFULL

ACCESSION NUMBER: 2003:17384 USPATFULL  
TITLE: Human KCR1 regulation of HERG potassium channel block  
INVENTOR(S): Balser, Jeffrey R., Brentwood, TN, UNITED STATES  
George, Alfred L., JR., Brentwood, TN, UNITED STATES  
Roden, Dan M., Nashville, TN, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003013136	A1	20030116
APPLICATION INFO.:	US 2001-151	A1	20011030 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-244340P	20001030 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	JENKINS & WILSON, PA, 3100 TOWER BLVD, SUITE 1400, DURHAM, NC, 27707	
NUMBER OF CLAIMS:	99	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	9 Drawing Page(s)	
LINE COUNT:	5075	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention discloses methods relating to screening methods and methods of identifying a compound that can modulate HERG potassium channel activity. The methods generally employ at least HERG and KCR1 polypeptides. The disclosed methods can be applied in the development of a candidate pharmaceutical or they can be employed to evaluate presently marketed pharmaceuticals.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> d 14 ibib abs 1-4

L4 ANSWER 1 OF 4 USPATFULL

ACCESSION NUMBER: 2003:17384 USPATFULL  
TITLE: Human KCR1 regulation of HERG potassium channel block  
INVENTOR(S): Balser, Jeffrey R., Brentwood, TN, UNITED STATES  
George, Alfred L., JR., Brentwood, TN, UNITED STATES  
Roden, Dan M., Nashville, TN, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003013136	A1	20030116
APPLICATION INFO.:	US 2001-151	A1	20011030 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-244340P	20001030 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	JENKINS & WILSON, PA, 3100 TOWER BLVD, SUITE 1400, DURHAM, NC, 27707	
NUMBER OF CLAIMS:	99	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	9 Drawing Page(s)	
LINE COUNT:	5075	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention discloses methods relating to screening methods and methods of identifying a compound that can modulate HERG potassium channel activity. The methods generally employ at least HERG and KCR1 polypeptides. The disclosed methods can be applied in the development of a candidate pharmaceutical or they can be employed to evaluate presently marketed pharmaceuticals.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 2 OF 4 USPATFULL

ACCESSION NUMBER: 2002:323337 USPATFULL  
TITLE: Sequences of hepatitis C virus genotypes and their use as prophylactic, therapeutic and diagnostic agents  
INVENTOR(S): Maertens, Geert, Brugge, BELGIUM  
Stuyver, Lieven, Herzele, BELGIUM  
PATENT ASSIGNEE(S): Innogenetics N.V. (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002183508	A1	20021205
APPLICATION INFO.:	US 2001-851138	A1	20010509 (9)
RELATED APPLN. INFO.:	Division of Ser. No. US 1997-836075, filed on 22 Apr 1997, PENDING		

	NUMBER	DATE
PRIORITY INFORMATION:	EP 1995-870076	19950628
	EP 1994-870166	19941021
DOCUMENT TYPE:	Utility	

FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: B. J. Sadoff, NIXON & VANDERHYE P.C., 8th Floor, 1100  
N. Glebe Road, Arlington, VA, 22201  
NUMBER OF CLAIMS: 62  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 74 Drawing Page(s)  
LINE COUNT: 5108

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to new genomic nucleotide sequences and amino acid sequences corresponding to the coding region of these genomes. The invention relates to new HCV types and subtypes sequences which are different from the known HCV types and subtypes. More particularly, the present invention relates to new HCV type 7 sequences, new HCV type 9 sequences, new HCV type 10 and new HCV type 11 sequences. Also, the present invention relates to new HCV type 1 sequences of subtypes 1d, 1e, 1f and 1g; new HCV type 2 sequences of subtypes 2e, 2f, 2g, 2h, 2I, 2k and 2l; new HCV type 3 sequences of subtype 3g, new HCV type 4 sequences of subtypes 4k, 4l and 4m; a process for preparing them, and their use for diagnosis, prophylaxis and therapy. More particularly, the present invention provides new type-specific sequences of the Core, the E1 and the NS5 regions of new HCV types 7, 9, 10 and 11, as well as of new variants (subtypes) of HCV types 1, 2, 3 and 4. These new HCV sequences are useful to diagnose the presence of HCV type 1, and/or type 2, and/or type 3, and/or type 4, and/or type 7, and/or 9, and/or type 10, and/or type 11 genotypes or serotypes in a biological sample. Moreover, the availability of these new type-specific sequences can increase the overall sensitivity of HCV detection and should also prove to be useful for prophylactic and therapeutic purposes.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 3 OF 4 USPATFULL

ACCESSION NUMBER: 2002:112873 USPATFULL  
TITLE: Use of insulin for the treatment of cartilagenous disorders  
INVENTOR(S): Filvaroff, Ellen H., San Francisco, CA, UNITED STATES  
Okumu, Franklin W., Oakland, CA, UNITED STATES  
PATENT ASSIGNEE(S): GENENTECH, INC. (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002058614	A1	20020516
APPLICATION INFO.:	US 2001-815229	A1	20010322 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-192103P	20000324 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	GENENTECH, INC., 1 DNA WAY, SOUTH SAN FRANCISCO, CA, 94080	
NUMBER OF CLAIMS:	48	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	26 Drawing Page(s)	
LINE COUNT:	5581	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to methods for the treatment and repair of cartilage, including cartilage damaged by injury or cartilagenous disorders, including arthritis, comprising the administration of insulin and/or insulin variants. Optionally, the administration may be in combination with a cartilage agent (e.g., peptide growth factor, catabolism antagonist, osteo-, synovial, anti-inflammatory factor), in an extended- or sustained-release form. Alternatively, the method provides for the treatment and repair of cartilage damaged by injury or cartilagenous disorders comprising the administration of insulin and/or insulin in combination with standard surgical techniques. Alternatively,



the method provides for the treatment and repair of cartilage damaged by injury or cartilagenous disorders comprising the administration of chondrocytes previously treated with an effective amount of insulin and/or insulin variant.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 4 OF 4 USPATFULL

ACCESSION NUMBER: 2001:14623 USPATFULL  
TITLE: Sequences of hepatitis C virus genotypes and their use as prophylactic, therapeutic and diagnostic agents  
INVENTOR(S): Maertens, Geert, Bruges, Belgium  
Stuyver, Lieven, Herzele, Belgium  
PATENT ASSIGNEE(S): Innogenetics N.V., Ghent, Belgium (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6180768	B1	20010130
	WO 9613590		19960509
APPLICATION INFO.:	US 1997-836075		19970421 (8)
	WO 1995-EP4155		19951023
			19970421 PCT 371 date
			19970421 PCT 102(e) date

	NUMBER	DATE
PRIORITY INFORMATION:	EP 1994-870166	19941021
	EP 1995-870076	19950628
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Eisenschenk, Frank C.	
ASSISTANT EXAMINER:	Zeman, Mary K	
LEGAL REPRESENTATIVE:	Arnold, White & Durkee	
NUMBER OF CLAIMS:	12	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	6 Drawing Figure(s); 74 Drawing Page(s)	
LINE COUNT:	2349	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to new genomic nucleotide sequences and amino acid sequences corresponding to the coding region of these genomes. The invention relates to new HCV types and subtypes sequences which are different from the known HCV types and subtypes sequences. More particularly, the present invention relates to new HCV type 7 sequences, new HCV type 9 sequences, new HCV type 10 and new HCV type 11 sequences. Also, the present invention relates to new HCV type 1 sequences of subtypes 1d, 1e, 1f and 1g; new HCV type 2 sequences of subtypes 2e, 2f, 2g, 2h, 2i, 2k and 2l; new HCV type 3 sequences of subtype 3g, new HCV type 4 sequences of subtypes 4k, 4l and 4m; a process for preparing them, and their use for diagnosis, prophylaxis and therapy. More particularly, the present invention provides new type-specific sequences of the Core, the E1 and NS5 regions of new HCV types 7, 9, 10 and 11, as well as of new variants (subtypes) of HCV types 1, 2, 3 and 4. These new HCV sequences are useful to diagnose the presence of HCV type 1, and/or type 2, and/or type 3, and/or type 4, and/or type 7, and/or type 9, and/or type 10, and/or type 11 genotypes or serotypes in a biological sample. Moreover, the availability of these new type-specific sequences can increase the overall sensitivity of HCV detection and should also prove to be useful for prophylactic and therapeutic purposes.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> s protease

L5 413014 PROTEASE

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L6      7957 L5 AND METALLOPROTEASE

=> s 16 and listeria
L7      92 L6 AND LISTERIA

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L8      65 L7 AND DETECT?

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L9      41 L8 AND FLUORES?

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IALLG ----- IALL plus PAGE.DRAW

IBIB ----- BIB, indented with text labels

IBIB.EX ---- IBIB for original and latest publication

IBIBG ----- IBIB plus PAGE.DRAW

IMAX ----- MAX, indented with text labels

IMAX.EX ---- IMAX for original and latest publication

IND ----- INCL, INCLM, INCLS, NCL, NCLM, NCLS, IC, ICM, ICS,  
EXF, ARTU, OS, CC, SX, ST, IT

ISTD ----- STD, indented with text labels

KWIC ----- All hit terms plus 20 words on either side

MAX ----- AN, TI, IN, INA, PA, PAA, PAT, PI, AI, PTERM, DCD,  
RLI, PRAI, DT, FS, REP, REN, EXNAM, LREP, CLMN, ECL,  
DRWN, AB, GOVI, PARN, SUMM, DRWD, DETD, CLM, INCL,  
INCLM, INCLS, NCL, NCLM, NCLS, IC, ICM, ICS,  
EXF, ARTU OS, CC, SX, ST, IT

MAX.EX ---- MAX for original and latest publication

OCC ----- List of display fields containing hit terms

SBIB ----- AN, TI, IN, INA, PA, PAA, PAT, PI, AI, RLI, PRAI,  
DT, FS, LN.CNT

SCAN ----- AN, TI, NCL, NCLM, NCLS, IC, ICM, ICS (random display  
without answer number. SCAN must be entered on the  
same line as DISPLAY, e.g., D SCAN)

STD ----- AN, TI, IN, INA, PA, PAA, PAT, PI, AI, RLI, PRAI,  
DT, FS, LN.CNT, INCL, INCLM, INCLS, NCL, NCLM, NCLS;  
IC, ICM, ICS, EXF (STD is the default)

STD.EX ---- STD for original and latest publication

TRIAL ----- AN, TI, INCL, INCLM, INCLS, NCL, NCLM, NCLS, IC,  
ICM, ICS

ENTER DISPLAY FORMAT (STD):end

=> d 19 ibib abs 1-41

L9 ANSWER 1 OF 41 USPATFULL

ACCESSION NUMBER: 2003:102443 USPATFULL

TITLE: Complementary DNA's encoding proteins with signal  
peptides

INVENTOR(S): Edwards, Jean-Baptiste Dumas Milne, Paris, FRANCE  
Bougueleret, Lydie, Vanves, FRANCE  
Jobert, Severin, Paris, FRANCE

PATENT ASSIGNEE(S): Genset, S.A., FRANCE (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6548633	B1	20030415
APPLICATION INFO.:	US 2000-599360		20000621 (9)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1999-469099, filed on 21 Dec 1999, now abandoned		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1999-141032P	19990625 (60)
	US 1998-113686P	19981222 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	GRANTED	
PRIMARY EXAMINER:	Horlick, Kenneth R.	
ASSISTANT EXAMINER:	Kim, Young	
LEGAL REPRESENTATIVE:	Saliwanchik, Lloyd & Saliwanchik	
NUMBER OF CLAIMS:	8	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	9 Drawing Figure(s); 9 Drawing Page(s)	
LINE COUNT:	13743	

AB The sequences of cDNAs encoding secreted proteins are disclosed. The cDNAs can be used to express secreted proteins or fragments thereof or to obtain antibodies capable of specifically binding to the secreted proteins. The cDNAs may also be used in diagnostic, forensic, gene therapy, and chromosome mapping procedures. The cDNAs may also be used to design expression vectors and secretion vectors.

L9 ANSWER 2 OF 41 USPATFULL

ACCESSION NUMBER: 2003:102442 USPATFULL  
 TITLE: Fusions of scaffold proteins with random peptide libraries  
 INVENTOR(S): Anderson, David, San Bruno, CA, United States  
 Peelle, Beau Robert, San Francisco, CA, United States  
 Bogenberger, Jakob Maria, San Mateo, CA, United States  
 PATENT ASSIGNEE(S): Rigel Pharmaceuticals, Inc., South San Francisco, CA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6548632	B1	20030415
APPLICATION INFO.:	US 1999-415765		19991008 (9)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1998-169015, filed on 8 Oct 1998, now patented, Pat. No. US 6180343		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	GRANTED		
PRIMARY EXAMINER:	Brusca, John S.		
NUMBER OF CLAIMS:	25		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	14 Drawing Figure(s); 8 Drawing Page(s)		
LINE COUNT:	4469		

AB The invention relates to the use of scaffold proteins, particularly green **fluorescent** protein (GFP), in fusion constructs with random and defined peptides and peptide libraries, to increase the cellular expression levels, decrease the cellular catabolism, increase the conformational stability relative to linear peptides, and to increase the steady state concentrations of the random peptides and random peptide library members expressed in cells for the purpose of **detecting** the presence of the peptides and screening random peptide libraries. N-terminal, C-terminal, dual N- and C-terminal and one or more internal fusions are all contemplated. Novel fusions utilizing self-binding peptides to create a conformationally stabilized fusion domain are also contemplated.

L9 ANSWER 3 OF 41 USPATFULL

ACCESSION NUMBER: 2003:102234 USPATFULL  
 TITLE: Fusions of scaffold proteins with random peptide libraries  
 INVENTOR(S): Anderson, David, San Bruno, CA, United States  
 Peelle, Beau Robert, San Francisco, CA, United States  
 Bogenberger, Jakob Maria, San Mateo, CA, United States

PATENT ASSIGNEE(S): Rigel Pharmaceuticals, Inc., South San Francisco, CA,  
United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6548249	B1	20030415
APPLICATION INFO.:	US 2000-626581		20000727 (9)
RELATED APPLN. INFO.:	Division of Ser. No. US 1999-415765, filed on 8 Oct 1999 Continuation-in-part of Ser. No. US 1998-169015, filed on 8 Oct 1998, now patented, Pat. No. US 6180343		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	GRANTED		
PRIMARY EXAMINER:	Brusca, John S.		
NUMBER OF CLAIMS:	33		
EXEMPLARY CLAIM:	29		
NUMBER OF DRAWINGS:	14 Drawing Figure(s); 8 Drawing Page(s)		
LINE COUNT:	4415		

AB The invention relates to the use of scaffold proteins, particularly green **fluorescent** protein (GFP), in fusion constructs with random and defined peptides and peptide libraries, to increase the cellular expression levels, decrease the cellular catabolism, increase the conformational stability relative to linear peptides, and to increase the steady state concentrations of the random peptides and random peptide library members expressed in cells for the purpose of **detecting** the presence of the peptides and screening random peptide libraries. N-terminal, C-terminal, dual N- and C-terminal and one or more internal fusions are all contemplated. Novel fusions utilizing self-binding peptides to create a conformationally stabilized fusion domain are also contemplated.

L9 ANSWER 4 OF 41 USPATFULL

ACCESSION NUMBER: 2003:100294 USPATFULL  
TITLE: 70 human secreted proteins  
INVENTOR(S): Ruben, Steven M., Olney, MD, UNITED STATES  
Young, Paul E., Gaithersburg, MD, UNITED STATES  
Brewer, Laurie A., St. Paul, MN, UNITED STATES  
Ebner, Reinhard, Gaithersburg, MD, UNITED STATES  
Olsen, Henrik S., Gaithersburg, MD, UNITED STATES  
Florence, Kimberly A., Rockville, MD, UNITED STATES  
Rosen, Craig A., Laytonsville, MD, UNITED STATES  
Duan, Roxanne D., Bethesda, MD, UNITED STATES  
Moore, Paul A., Germantown, MD, UNITED STATES  
Shi, Yanggu, Gaithersburg, MD, UNITED STATES  
LaFleur, David W., Washington, DC, UNITED STATES  
Florence, Charles, Rockville, MD, UNITED STATES  
Soppet, Daniel R., Centreville, VA, UNITED STATES  
Endress, Gregory A., Florence, MA, UNITED STATES  
Feng, Ping, Germantown, MD, UNITED STATES  
Komatsoulis, George A., Silver Spring, MD, UNITED STATES  
PATENT ASSIGNEE(S): Human Genome Sciences, Inc., Rockville, MD (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003069405	A1	20030410
APPLICATION INFO.:	US 2002-144929	A1	20020515 (10)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 2000-716128, filed on 17 Nov 2000, PENDING Continuation of Ser. No. US 1999-251329, filed on 17 Feb 1999, ABANDONED Continuation-in-part of Ser. No. WO 1998-US17044, filed on 18 Aug 1998, UNKNOWN		

NUMBER	DATE
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PRIORITY INFORMATION: US 1997-56369P 19970819 (60)  
 US 1997-56535P 19970819 (60)  
 US 1997-56556P 19970819 (60)  
 US 1997-56555P 19970819 (60)  
 US 1997-56726P 19970819 (60)  
 US 1997-56368P 19970819 (60)  
 US 1997-56728P 19970819 (60)  
 US 1997-56628P 19970819 (60)  
 US 1997-56629P 19970819 (60)  
 US 1998-89510P 19980616 (60)  
 US 1998-92956P 19980715 (60)

DOCUMENT TYPE: Utility  
 FILE SEGMENT: APPLICATION  
 LEGAL REPRESENTATIVE: HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE,  
 ROCKVILLE, MD, 20850

NUMBER OF CLAIMS: 3  
 EXEMPLARY CLAIM: 1  
 LINE COUNT: 12259

AB The present invention relates to novel human secreted proteins and isolated nucleic acids containing the coding regions of the genes encoding such proteins. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human secreted proteins. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating disorders related to these novel human secreted proteins.

L9 ANSWER 5 OF 41 USPATFULL

ACCESSION NUMBER: 2003:93795 USPATFULL  
 TITLE: Novel human genes and gene expression products I  
 INVENTOR(S): Williams, Lewis T., Mill Valley, CA, UNITED STATES  
 Escobedo, Jaime, Alamo, CA, UNITED STATES  
 Innis, Michael A., Moraga, CA, UNITED STATES  
 Garcia, Pablo Dominguez, San Francisco, CA, UNITED STATES  
 Sudduth-Klinger, Julie, Kensington, CA, UNITED STATES  
 Reinhard, Christoph, Alameda, CA, UNITED STATES  
 Giese, Klaus, San Francisco, CA, UNITED STATES  
 Randazzo, Filippo, Emeryville, CA, UNITED STATES  
 Kennedy, Giulia C., San Francisco, CA, UNITED STATES  
 Pot, David, San Francisco, CA, UNITED STATES  
 Kassam, Atlatf, Oakland, CA, UNITED STATES  
 Lamson, George, Moraga, CA, UNITED STATES  
 Drmanac, Radoje, Palo Alto, CA, UNITED STATES  
 Crkvenjakov, Radomir, Sunnyvale, CA, UNITED STATES  
 Dickson, Mark, Hollister, CA, UNITED STATES  
 Drmanac, Snezana, Palo Alto, CA, UNITED STATES  
 Labat, Ivan, Sunnyvale, CA, UNITED STATES  
 Leshkowitz, Dena, Sunnyvale, CA, UNITED STATES  
 Kita, David, Foster City, CA, UNITED STATES  
 Garcia, Veronica, Sunnyvale, CA, UNITED STATES  
 Jones, Lee William, Sunnyvale, CA, UNITED STATES  
 Stache-Crain, Birgit, Sunnyvale, CA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003065156	A1	20030403
APPLICATION INFO.:	US 2002-76555	A1	20020215 (10)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1998-217471, filed on 21 Dec 1998, PENDING		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1997-68755P	19971223 (60)
	US 1998-80664P	19980403 (60)
	US 1998-105234P	19981021 (60)

DOCUMENT TYPE: Utility  
 FILE SEGMENT: APPLICATION  
 LEGAL REPRESENTATIVE: BOZICEVIC, FIELD & FRANCIS LLP, 200 MIDDLEFIELD RD,  
 SUITE 200, MENLO PARK, CA, 94025  
 NUMBER OF CLAIMS: 22  
 EXEMPLARY CLAIM: 1  
 LINE COUNT: 15408  
 AB This invention relates to novel human polynucleotides and variants thereof, their encoded polypeptides and variants thereof, to genes corresponding to these polynucleotides and to proteins expressed by the genes. The invention also relates to diagnostic and therapeutic agents employing such novel human polynucleotides, their corresponding genes or gene products, e.g., these genes and proteins, including probes, antisense constructs, and antibodies.

L9 ANSWER 6 OF 41 USPATFULL

ACCESSION NUMBER: 2003:86302 USPATFULL  
 TITLE: Nucleic acids, proteins, and antibodies  
 INVENTOR(S): Rosen, Craig A., Laytonsville, MD, UNITED STATES  
 Ruben, Steven M., Olney, MD, UNITED STATES  
 Barash, Steven C., Rockville, MD, UNITED STATES  
 PATENT ASSIGNEE(S): Human Genome Sciences, Inc., Rockville, MD, UNITED STATES (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003059908	A1	20030327
APPLICATION INFO.:	US 2002-91504	A1	20020307 (10)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 2001-764869, filed on 17 Jan 2001, ABANDONED		

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-179065P	20000131 (60)
	US 2000-180628P	20000204 (60)
	US 2000-214886P	20000628 (60)
	US 2000-217487P	20000711 (60)
	US 2000-225758P	20000814 (60)
	US 2000-220963P	20000726 (60)
	US 2000-217496P	20000711 (60)
	US 2000-225447P	20000814 (60)
	US 2000-218290P	20000714 (60)
	US 2000-225757P	20000814 (60)
	US 2000-226868P	20000822 (60)
	US 2000-216647P	20000707 (60)
	US 2000-225267P	20000814 (60)
	US 2000-216880P	20000707 (60)
	US 2000-225270P	20000814 (60)
	US 2000-251869P	20001208 (60)
	US 2000-235834P	20000927 (60)
	US 2000-234274P	20000921 (60)
	US 2000-234223P	20000921 (60)
	US 2000-228924P	20000830 (60)
	US 2000-224518P	20000814 (60)
	US 2000-236369P	20000929 (60)
	US 2000-224519P	20000814 (60)
	US 2000-220964P	20000726 (60)
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	US 2000-249299P	20001117 (60)
	US 2000-236327P	20000929 (60)
	US 2000-241785P	20001020 (60)
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	US 2000-225268P	20000814 (60)
	US 2000-236368P	20000929 (60)
	US 2000-251856P	20001208 (60)

US 2000-251868P	20001208 (60)
US 2000-229344P	20000901 (60)
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US 2000-236367P	20000929 (60)
US 2000-237039P	20001002 (60)
US 2000-237038P	20001002 (60)
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US 2000-236802P	20001002 (60)
US 2000-237037P	20001002 (60)
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US 2000-239937P	20001013 (60)
US 2000-241787P	20001020 (60)
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US 2000-246532P	20001108 (60)
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US 2000-249210P	20001117 (60)
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US 2000-225213P	20000814 (60)
US 2000-227182P	20000822 (60)
US 2000-225214P	20000814 (60)
US 2000-235836P	20000927 (60)
US 2000-230438P	20000906 (60)
US 2000-215135P	20000630 (60)
US 2000-225266P	20000814 (60)
US 2000-249218P	20001117 (60)
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US 2000-230437P	20000906 (60)
US 2000-251990P	20001208 (60)
US 2000-251988P	20001205 (60)
US 2000-251030P	20001205 (60)
US 2000-251479P	20001206 (60)
US 2000-256719P	20001205 (60)
US 2000-250160P	20001201 (60)
US 2000-251989P	20001208 (60)
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US 2000-254097P	20001211 (60)
US 2000-231968P	20000912 (60)
US 2000-226279P	20000818 (60)
US 2000-186350P	20000302 (60)
US 2000-184664P	20000224 (60)
US 2000-189874P	20000316 (60)
US 2000-198123P	20000418 (60)
US 2000-227009P	20000823 (60)
US 2000-235484P	20000926 (60)
US 2000-190076P	20000317 (60)
US 2000-209467P	20000607 (60)
US 2000-205515P	20000519 (60)
US 2001-259678P	20010105 (60)

DOCUMENT TYPE: Utility  
FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE,  
ROCKVILLE, MD, 20850

NUMBER OF CLAIMS: 24

EXEMPLARY CLAIM: 1

LINE COUNT: 28555

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel cardiovascular system related polynucleotides and the polypeptides encoded by these polynucleotides herein collectively known as "cardiovascular system antigens," and the use of such cardiovascular system antigens for **detecting** disorders of the cardiovascular system, particularly the presence of cancer of cardiovascular system tissues and cancer metastases. More specifically, isolated cardiovascular system associated nucleic acid molecules are provided encoding novel cardiovascular system associated polypeptides. Novel cardiovascular system polypeptides and antibodies that bind to these polypeptides are provided. Also provided are vectors, host cells, and recombinant and synthetic methods for producing human cardiovascular system associated polynucleotides and/or polypeptides. The invention further relates to diagnostic and therapeutic methods useful for diagnosing, treating, preventing and/or prognosing disorders related to the cardiovascular system, including cancer of cardiovascular system tissues, and therapeutic methods for treating such disorders. The invention further relates to screening methods for identifying agonists and antagonists of polynucleotides and polypeptides of the invention. The present invention further relates to methods and/or compositions for inhibiting the production and function of the polypeptides of the

present invention.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 7 OF 41 USPATFULL

ACCESSION NUMBER: 2003:79303 USPATFULL  
TITLE: 12 human secreted proteins  
INVENTOR(S): Ni, Jian, Germantown, MD, UNITED STATES  
Young, Paul E., Gaithersburg, MD, UNITED STATES  
Kenny, Joseph J., Damascus, MD, UNITED STATES  
Olsen, Henrik S., Gaithersburg, MD, UNITED STATES  
Moore, Paul A., Germantown, MD, UNITED STATES  
Wei, Ying-Fei, Berkeley, CA, UNITED STATES  
Greene, John M., Gaithersburg, MD, UNITED STATES  
Ruben, Steven M., Olney, MD, UNITED STATES  
Liu, Ding, Gaithersburg, MD, UNITED STATES  
Crocker, Paul R., Dundee, UNITED KINGDOM

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003055231	A1	20030320
APPLICATION INFO.:	US 2001-984130	A1	20011029 (9)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 2001-836353, filed on 18 Apr 2001, PENDING Continuation-in-part of Ser. No. WO 1999-US25031, filed on 27 Oct 1999, UNKNOWN		

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-243792P	20001030 (60)
	US 2000-198407P	20000419 (60)
	US 1998-105971P	19981028 (60)

DOCUMENT TYPE: Utility  
FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850  
NUMBER OF CLAIMS: 23  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 67 Drawing Page(s)  
LINE COUNT: 31982

AB The present invention relates to 12 novel human secreted proteins and isolated nucleic acids containing the coding regions of the genes encoding such proteins. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human secreted proteins. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating disorders related to these novel human secreted proteins.

L9 ANSWER 8 OF 41 USPATFULL

ACCESSION NUMBER: 2003:78525 USPATFULL  
TITLE: Polynucleotide encoding a novel human serpin secreted from lymphoid cells, LSI-01  
INVENTOR(S): Chen, Jian, Princeton, NJ, UNITED STATES  
Feder, John N., Belle Mead, NJ, UNITED STATES  
Nelson, Thomas, Lawrenceville, NJ, UNITED STATES  
Seiler, Steven, Pennington, NJ, UNITED STATES  
Bassolino, Donna A., Hamilton, NJ, UNITED STATES  
Cheney, Daniel L., Flemington, NJ, UNITED STATES  
Duclos, Franck, Washington Crossing, PA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003054445	A1	20030320
APPLICATION INFO.:	US 2001-993180	A1	20011114 (9)

NUMBER	DATE
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PRIORITY INFORMATION: US 2000-248434P 20001114 (60)  
 US 2000-257610P 20001221 (60)  
 US 2001-282745P 20010410 (60)  
 DOCUMENT TYPE: Utility  
 FILE SEGMENT: APPLICATION  
 LEGAL REPRESENTATIVE: STEPHEN B. DAVIS, BRISTOL-MYERS SQUIBB COMPANY, PATENT  
 DEPARTMENT, P O BOX 4000, PRINCETON, NJ, 08543-4000  
 NUMBER OF CLAIMS: 52  
 EXEMPLARY CLAIM: 1  
 NUMBER OF DRAWINGS: 8 Drawing Page(s)  
 LINE COUNT: 14427  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention provides novel polynucleotides encoding LSI-01  
 polypeptides, fragments and homologues thereof. Also provided are  
 vectors, host cells, antibodies, and recombinant and synthetic methods  
 for producing said polypeptides. The invention further relates to  
 diagnostic and therapeutic methods for applying these novel LSI-01  
 polypeptides to the diagnosis, treatment, and/or prevention of various  
 diseases and/or disorders related to these polypeptides. The invention  
 further relates to screening methods for identifying agonists and  
 antagonists of the polynucleotides and polypeptides of the present  
 invention.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 9 OF 41 USPATFULL

ACCESSION NUMBER: 2003:78500 USPATFULL  
 TITLE: Nucleic acids, proteins, and antibodies  
 INVENTOR(S): Rosen, Craig A., Laytonsville, MD, UNITED STATES  
 Ruben, Steven M., Olney, MD, UNITED STATES  
 Barash, Steven C., Rockville, MD, UNITED STATES  
 PATENT ASSIGNEE(S): Human Genome Sciences, Inc., Rockville, MD, UNITED  
 STATES (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003054420	A1	20030320
APPLICATION INFO.:	US 2002-72349	A1	20020211 (10)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 2001-764855, filed on 17 Jan 2001, ABANDONED		

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-179065P	20000131 (60)
	US 2000-180628P	20000204 (60)
	US 2000-214886P	20000628 (60)
	US 2000-217487P	20000711 (60)
	US 2000-225758P	20000814 (60)
	US 2000-220963P	20000726 (60)
	US 2000-217496P	20000711 (60)
	US 2000-225447P	20000814 (60)
	US 2000-218290P	20000714 (60)
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	US 2000-235834P	20000927 (60)
	US 2000-234274P	20000921 (60)
	US 2000-234223P	20000921 (60)
	US 2000-228924P	20000830 (60)
	US 2000-224518P	20000814 (60)
	US 2000-236369P	20000929 (60)

US 2000-224519P	20000814 (60)
US 2000-220964P	20000726 (60)
US 2000-241809P	20001020 (60)
US 2000-249299P	20001117 (60)
US 2000-236327P	20000929 (60)
US 2000-241785P	20001020 (60)
US 2000-244617P	20001101 (60)
US 2000-225268P	20000814 (60)
US 2000-236368P	20000929 (60)
US 2000-251856P	20001208 (60)
US 2000-251868P	20001208 (60)
US 2000-229344P	20000901 (60)
US 2000-234997P	20000925 (60)
US 2000-229343P	20000901 (60)
US 2000-229345P	20000901 (60)
US 2000-229287P	20000901 (60)
US 2000-229513P	20000905 (60)
US 2000-231413P	20000908 (60)
US 2000-229509P	20000905 (60)
US 2000-236367P	20000929 (60)
US 2000-237039P	20001002 (60)
US 2000-237038P	20001002 (60)
US 2000-236370P	20000929 (60)
US 2000-236802P	20001002 (60)
US 2000-237037P	20001002 (60)
US 2000-237040P	20001002 (60)
US 2000-240960P	20001020 (60)
US 2000-239935P	20001013 (60)
US 2000-241787P	20001020 (60)
US 2000-246474P	20001108 (60)
US 2000-246532P	20001108 (60)
US 2000-249216P	20001117 (60)
US 2000-249210P	20001117 (60)
US 2000-226681P	20000822 (60)
US 2000-225759P	20000814 (60)
US 2000-225213P	20000814 (60)
US 2000-227182P	20000822 (60)
US 2000-225214P	20000814 (60)
US 2000-235836P	20000927 (60)
US 2000-230438P	20000906 (60)
US 2000-215135P	20000630 (60)
US 2000-225266P	20000814 (60)
US 2000-249218P	20001117 (60)
US 2000-249208P	20001117 (60)
US 2000-249213P	20001117 (60)
US 2000-249212P	20001117 (60)
US 2000-249207P	20001117 (60)
US 2000-249245P	20001117 (60)
US 2000-249244P	20001117 (60)
US 2000-249217P	20001117 (60)
US 2000-249211P	20001117 (60)
US 2000-249215P	20001117 (60)
US 2000-249264P	20001117 (60)
US 2000-249214P	20001117 (60)
US 2000-249297P	20001117 (60)
US 2000-232400P	20000914 (60)
US 2000-231242P	20000908 (60)
US 2000-232081P	20000908 (60)
US 2000-232080P	20000908 (60)
US 2000-231414P	20000908 (60)
US 2000-231244P	20000908 (60)
US 2000-233064P	20000914 (60)
US 2000-233063P	20000914 (60)
US 2000-232397P	20000914 (60)
US 2000-232399P	20000914 (60)
US 2000-232401P	20000914 (60)

US 2000-241808P	20001020 (60)
US 2000-241826P	20001020 (60)
US 2000-241786P	20001020 (60)
US 2000-241221P	20001020 (60)
US 2000-246475P	20001108 (60)
US 2000-231243P	20000908 (60)
US 2000-233065P	20000914 (60)
US 2000-232398P	20000914 (60)
US 2000-234998P	20000925 (60)
US 2000-246477P	20001108 (60)
US 2000-246528P	20001108 (60)
US 2000-246525P	20001108 (60)
US 2000-246476P	20001108 (60)
US 2000-246526P	20001108 (60)
US 2000-249209P	20001117 (60)
US 2000-246527P	20001108 (60)
US 2000-246523P	20001108 (60)
US 2000-246524P	20001108 (60)
US 2000-246478P	20001108 (60)
US 2000-246609P	20001108 (60)
US 2000-246613P	20001108 (60)
US 2000-249300P	20001117 (60)
US 2000-249265P	20001117 (60)
US 2000-246610P	20001108 (60)
US 2000-246611P	20001108 (60)
US 2000-230437P	20000906 (60)
US 2000-251990P	20001208 (60)
US 2000-251988P	20001205 (60)
US 2000-251030P	20001205 (60)
US 2000-251479P	20001206 (60)
US 2000-256719P	20001205 (60)
US 2000-250160P	20001201 (60)
US 2000-251989P	20001208 (60)
US 2000-250391P	20001201 (60)
US 2000-254097P	20001211 (60)
US 2000-231968P	20000912 (60)
US 2000-226279P	20000818 (60)
US 2000-186350P	20000302 (60)
US 2000-184664P	20000224 (60)
US 2000-189874P	20000316 (60)
US 2000-198123P	20000418 (60)
US 2000-227009P	20000823 (60)
US 2000-235484P	20000926 (60)
US 2000-190076P	20000317 (60)
US 2000-209467P	20000607 (60)
US 2000-205515P	20000519 (60)
US 2001-259678P	20010105 (60)

DOCUMENT TYPE: Utility  
FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE,  
ROCKVILLE, MD, 20850  
NUMBER OF CLAIMS: 24  
EXEMPLARY CLAIM: 1  
LINE COUNT: 19700

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel colorectal cancer related polynucleotides and the polypeptides encoded by these polynucleotides herein collectively known as "colorectal cancer antigens," and the use of such colorectal cancer antigens for **detecting** disorders of the colon and/or rectum, particularly the presence of colorectal cancer and colorectal cancer metastases. More specifically, isolated colorectal cancer associated nucleic acid molecules are provided encoding novel colorectal cancer associated polypeptides. Novel colorectal cancer polypeptides and antibodies that bind to these polypeptides are provided. Also provided are vectors, host cells, and recombinant and synthetic methods for producing human colorectal cancer associated

polynucleotides and/or polypeptides. The invention further relates to diagnostic and therapeutic methods useful for diagnosing, treating, preventing and/or prognosing disorders related to the colon and/or rectum, including colorectal cancer, and therapeutic methods for treating such disorders. The invention further relates to screening methods for identifying agonists and antagonists of polynucleotides and polypeptides of the invention. The present invention further relates to methods and/or compositions for inhibiting the production and function of the polypeptides of the present invention.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 10 OF 41 USPATFULL

ACCESSION NUMBER: 2003:71447 USPATFULL  
TITLE: Apoptosis related polynucleotides, polypeptides, and antibodies  
INVENTOR(S): Ni, Jian, Germantown, MD, UNITED STATES  
Young, Paul E., Gaithersburg, MD, UNITED STATES  
Ruben, Steven M., Olney, MD, UNITED STATES  
PATENT ASSIGNEE(S): Human Genome Sciences, Inc., Rockville, MD, UNITED STATES, 20850 (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003049732	A1	20030313
APPLICATION INFO.:	US 2001-13477	A1	20011213 (10)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 2000-669445, filed on 25 Sep 2000, PENDING Continuation-in-part of Ser. No. WO 2000-US6642, filed on 15 Mar 2000, UNKNOWN		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1999-126018P	19990324 (60)
	US 1999-139638P	19990617 (60)
	US 1999-149449P	19990818 (60)

DOCUMENT TYPE: Utility  
FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850

NUMBER OF CLAIMS: 22  
EXEMPLARY CLAIM: 1  
LINE COUNT: 12594

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel human apoptosis related polypeptides and isolated nucleic acids containing the coding regions of the genes encoding such polypeptides. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human apoptosis related polypeptides. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating disorders related to these novel human apoptosis related polypeptides.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 11 OF 41 USPATFULL

ACCESSION NUMBER: 2003:64662 USPATFULL  
TITLE: Human genes and gene expression products  
INVENTOR(S): Williams, Lewis T., Mill Valley, CA, UNITED STATES  
Escobedo, Jaime, Alamo, CA, UNITED STATES  
Innis, Michael A., UNITED STATES  
Garcia, Pablo Dominguez, San Francisco, CA, UNITED STATES  
Sudduth-Klinger, Julie, Kensington, CA, UNITED STATES  
Reinhard, Christoph, Alameda, CA, UNITED STATES  
Randazzo, Filippo, Oakland, CA, UNITED STATES  
Kennedy, Giulia C., San Francisco, CA, UNITED STATES  
Pot, David, Arlington, VA, UNITED STATES

Kassam, Altaf, Oakland, CA, UNITED STATES  
 Lamson, George, Moraga, CA, UNITED STATES  
 Drmanac, Radjoe, Palo Alto, CA, UNITED STATES  
 Dickson, Mark, Hollister, CA, UNITED STATES  
 Labat, Ivan, Mountain View, CA, UNITED STATES  
 Jones, Lee William, Sunnyvale, CA, UNITED STATES  
 Stache-Crain, Birgit, Sunnyvale, CA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003044783	A1	20030306
APPLICATION INFO.:	US 2001-803719	A1	20010309 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-188609P	20000309 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	Chiron Corporation Intellectual Property -R440, PO Box 8097, Emeryville, CA, 94662-8097	
NUMBER OF CLAIMS:	15	
EXEMPLARY CLAIM:	1	
LINE COUNT:	23459	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB This invention relates to novel human polynucleotides and variants thereof, their encoded polypeptides and variants thereof, to genes corresponding to these polynucleotides and to proteins expressed by the genes. The invention also relates to diagnostic and therapeutic agents employing such novel human polynucleotides, their corresponding genes or gene products, e.g., these genes and proteins, including probes, antisense constructs, and antibodies.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 12 OF 41 USPATFULL

ACCESSION NUMBER: 2003:30249 USPATFULL  
 TITLE: Methods and compositions for screening for altered cellular phenotypes  
 INVENTOR(S): Lorens, James, Portola Valley, CA, UNITED STATES  
 Kinsella, Todd M., Fayetteville, CA, UNITED STATES  
 Masuda, Esteban, Menlo Park, CA, UNITED STATES  
 Hitoshi, Yasumichi, Mountain view, CA, UNITED STATES  
 Liao, X. Charlene, Palo Alto, CA, UNITED STATES  
 Pearsall, Denise, Belmont, CA, UNITED STATES  
 Frieria, Annabelle, South San Francisco, CA, UNITED STATES  
 Chu, Peter, San Francisco, CA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003022196	A1	20030130
APPLICATION INFO.:	US 2002-96339	A1	20020308 (10)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1998-76624, filed on 12 May 1998, PENDING		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	DORSEY & WHITNEY LLP, Suite 3400, Four Embarcadero Center, San Francisco, CA, 94111-4187		
NUMBER OF CLAIMS:	56		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	50 Drawing Page(s)		
LINE COUNT:	5034		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention relates to methods and compositions useful for screening for altered cellular phenotypes using an inducible expression system to enrich for and detect the altered phenotypes and, more

particularly, relates to screening libraries of candidate bioactive agents, for example, nucleic acids and peptides, in cells using an regulatable expression system to enrich for a subpopulation of cells having an altered phenotype due to the presence of a candidate bioactive agent.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 13 OF 41 USPATFULL

ACCESSION NUMBER: 2003:30210 USPATFULL  
TITLE: Methods of producing a library and methods of selecting polynucleotides of interest  
INVENTOR(S): Zauderer, Maurice, Pittsford, NY, UNITED STATES  
Smith, Ernest S., Ontario, NY, UNITED STATES  
PATENT ASSIGNEE(S): University of Rochester (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003022157	A1	20030130
APPLICATION INFO.:	US 2001-818991	A1	20010328 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-192586P	20000328 (60)
	US 2000-203343P	20000510 (60)
	US 2001-263226P	20010123 (60)
	US 2001-271426P	20010227 (60)

DOCUMENT TYPE: Utility  
FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: STERNE, KESSLER, GOLDSTEIN & FOX PLLC, 1100 NEW YORK AVENUE, N.W., SUITE 600, WASHINGTON, DC, 20005-3934

NUMBER OF CLAIMS: 137  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 31 Drawing Page(s)  
LINE COUNT: 10535

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to a high efficiency method of introducing DNA into linear DNA viruses such as poxvirus, a method of producing libraries in linear DNA viruses such as poxvirus, and methods of selecting polynucleotides of interest based on cell nonviability or other phenotypes.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 14 OF 41 USPATFULL

ACCESSION NUMBER: 2002:337317 USPATFULL  
TITLE: Methods of identifying regulator molecules  
INVENTOR(S): Zauderer, Maurice, Pittsford, NY, UNITED STATES  
Smith, Ernest S., Ontario, NY, UNITED STATES  
PATENT ASSIGNEE(S): The University of Rochester, Rochester, NY (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002192675	A1	20021219
APPLICATION INFO.:	US 2002-61395	A1	20020204 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2001-265589P	20010202 (60)
	US 2001-265880P	20010205 (60)
	US 2001-271423P	20010227 (60)

DOCUMENT TYPE: Utility  
FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: STERNE, KESSLER, GOLDSTEIN & FOX PLLC, 1100 NEW YORK AVENUE, N.W., SUITE 600, WASHINGTON, DC, 20005-3934



NUMBER OF CLAIMS: 97  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 5 Drawing Page(s)  
LINE COUNT: 6369  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention provides methods and compositions for identifying, i.e., selecting and/or screening for regulator molecules such as polypeptides and/or U1 SnRNAs which directly or indirectly influence, e.g., induce or suppress, the transcriptional activation of a target transcriptional regulatory region in a eukaryotic host cell. Also provided are regulator molecules identified by such methods, and methods of isolating polynucleotides encoding regulator molecules identified by these methods.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 15 OF 41 USPATFULL

ACCESSION NUMBER: 2002:322538 USPATFULL  
TITLE: ADAM polynucleotides, polypeptides, and antibodies  
INVENTOR(S): Ruben, Steven M., Olney, MD, UNITED STATES  
Ni, Jian, Germantown, MD, UNITED STATES  
Hastings, Gregg A., Westlake Village, CA, UNITED STATES  
Shi, Yanggu, Gaithersburg, MD, UNITED STATES  
Wei, Ping, Brookeville, MD, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002182702	A1	20021205
APPLICATION INFO.:	US 2001-955504	A1	20010919 (9)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. WO 2000-US14308, filed on 25 May 2000, UNKNOWN Continuation-in-part of Ser. No. US 2000-712907, filed on 16 Nov 2000, PENDING		

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-234222P	20000921 (60)
	US 1999-136388P	19990527 (60)
	US	
	US	
	US 1999-136388P	19990527 (60)
	US 1999-142930P	19990709 (60)
	US 2000-178717P	20000128 (60)

DOCUMENT TYPE: Utility  
FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850

NUMBER OF CLAIMS: 22  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 4 Drawing Page(s)  
LINE COUNT: 13921

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel human ADAM polypeptides and isolated nucleic acids containing the coding regions of the genes encoding such polypeptides. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human ADAM polypeptides. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating disorders related to these novel human ADAM polypeptides.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 16 OF 41 USPATFULL

ACCESSION NUMBER: 2002:308509 USPATFULL  
TITLE: ADAM polynucleotides, polypeptides, and antibodies  
INVENTOR(S): Ruben, Steven M., Olney, MD, UNITED STATES  
Ni, Jian, Germantown, MD, UNITED STATES

PATENT ASSIGNEE(S): Hastings, Gregg A., Westlake Village, CA, UNITED STATES  
Shi, Yanggu, Gaithersburg, MD, UNITED STATES  
Wei, Ping, Brookeville, MD, UNITED STATES  
Human Genome Sciences, Inc., Rockville, MD, UNITED STATES (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002173640	A1	20021121
APPLICATION INFO.:	US 2002-125452	A1	20020419 (10)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 2001-955504, filed on 19 Sep 2001, PENDING Continuation of Ser. No. US 2000-712907, filed on 16 Nov 2000, PENDING Continuation of Ser. No. WO 2000-US14308, filed on 25 May 2000, UNKNOWN		

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-234222P	20000921 (60)
	US 1999-136388P	19990527 (60)
	US 1999-142930P	19990709 (60)
	US 2000-178717P	20000128 (60)

DOCUMENT TYPE: Utility  
FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850

NUMBER OF CLAIMS: 22  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 4 Drawing Page(s)  
LINE COUNT: 13925

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel human ADAM polypeptides and isolated nucleic acids containing the coding regions of the genes encoding such polypeptides. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human ADAM polypeptides. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating disorders related to these novel human ADAM polypeptides.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 17 OF 41 USPATFULL

ACCESSION NUMBER: 2002:295327 USPATFULL  
TITLE: ADAM polynucleotides, polypeptides, and antibodies  
INVENTOR(S): Ruben, Steven M., Olney, MD, UNITED STATES  
Wei, Ping, Brookeville, MD, UNITED STATES  
Ni, Jian, Germantown, MD, UNITED STATES  
Hastings, Gregg A., Westlake Village, CA, UNITED STATES  
Shi, Yanggu, Gaithersburg, MD, UNITED STATES  
PATENT ASSIGNEE(S): Human Genome Sciences, Inc., Rockville, MD, UNITED STATES, 20850 (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002165377	A1	20021107
APPLICATION INFO.:	US 2002-125470	A1	20020419 (10)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 2000-712907, filed on 16 Nov 2000, PENDING Continuation-in-part of Ser. No. WO 2000-US14308, filed on 25 May 2000, UNKNOWN		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1999-136388P	19990527 (60)
	US 1999-142930P	19990709 (60)
	US 2000-178717P	20000128 (60)
DOCUMENT TYPE:	Utility	

FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE,  
ROCKVILLE, MD, 20850  
NUMBER OF CLAIMS: 22  
EXEMPLARY CLAIM: 1  
LINE COUNT: 10736

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel human ADAM polypeptides and isolated nucleic acids containing the coding regions of the genes encoding such polypeptides. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human ADAM polypeptides. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating disorders related to these novel human ADAM polypeptides.

CAS INDEXING IS AVAILABLE FOR THIS PATENT..

L9 ANSWER 18 OF 41 USPATFULL

ACCESSION NUMBER: 2002:295092 USPATFULL  
TITLE: Nucleic acids, proteins, and antibodies  
INVENTOR(S): Ruben, Steven M., Olney, MD, UNITED STATES  
Barash, Steven C., Rockville, MD, UNITED STATES  
Rosen, Craig A., Laytonsville, MD, UNITED STATES  
Birse, Charles E., North Potomac, MD, UNITED STATES  
PATENT ASSIGNEE(S): Human Genome Sciences, Inc., Rockville, MD, UNITED STATES, 20850 (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002165137	A1	20021107
APPLICATION INFO.:	US 2001-860670	A1	20010521 (9)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. WO 2001-US1346, filed on 17 Jan 2001, UNKNOWN Continuation-in-part of Ser. No. US 2001-764859, filed on 17 Jan 2001, PENDING		

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-205515P	20000519 (60)
	US 2000-179065P	20000131 (60)
	US 2000-180628P	20000204 (60)
	US 2000-225447P	20000814 (60)
	US 2000-218290P	20000714 (60)
	US 2000-216880P	20000707 (60)
	US 2000-234997P	20000925 (60)
	US 2000-229343P	20000901 (60)
	US 2000-236367P	20000929 (60)
	US 2000-239937P	20001013 (60)
	US 2000-249210P	20001117 (60)
	US 2000-249211P	20001117 (60)
	US 2000-249214P	20001117 (60)
	US 2000-231243P	20000908 (60)
	US 2000-246477P	20001108 (60)
	US 2000-246528P	20001108 (60)
	US 2000-246525P	20001108 (60)
	US 2000-246476P	20001108 (60)
	US 2000-246526P	20001108 (60)
	US 2000-249265P	20001117 (60)
	US 2000-230437P	20000906 (60)
	US 2000-251990P	20001208 (60)
	US 2000-251988P	20001205 (60)
	US 2000-251030P	20001205 (60)
	US 2000-251479P	20001206 (60)
	US 2000-256719P	20001205 (60)
	US 2000-250160P	20001201 (60)
	US 2000-251989P	20001208 (60)
	US 2000-250391P	20001201 (60)

US 2000-254097P	20001211 (60)
US 2000-179065P	20000131 (60)
US 2000-180628P	20000204 (60)
US 2000-214886P	20000628 (60)
US 2000-217487P	20000711 (60)
US 2000-225758P	20000814 (60)
US 2000-220963P	20000726 (60)
US 2000-217496P	20000711 (60)
US 2000-225447P	20000814 (60)
US 2000-218290P	20000714 (60)
US 2000-225757P	20000814 (60)
US 2000-226868P	20000822 (60)
US 2000-216647P	20000707 (60)
US 2000-225267P	20000814 (60)
US 2000-216880P	20000707 (60)
US 2000-225270P	20000814 (60)
US 2000-251869P	20001208 (60)
US 2000-235834P	20000927 (60)
US 2000-234274P	20000921 (60)

DOCUMENT TYPE: Utility  
 FILE SEGMENT: APPLICATION  
 LEGAL REPRESENTATIVE: HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE,  
 ROCKVILLE, MD, 20850

NUMBER OF CLAIMS: 24  
 EXEMPLARY CLAIM: 1  
 LINE COUNT: 20253

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel proteins. More specifically, isolated nucleic acid molecules are provided encoding novel polypeptides. Novel polypeptides and antibodies that bind to these polypeptides are provided. Also provided are vectors, host cells, and recombinant and synthetic methods for producing human polynucleotides and/or polypeptides, and antibodies. The invention further relates to diagnostic and therapeutic methods useful for diagnosing, treating, preventing and/or prognosing disorders related to these novel polypeptides. The invention further relates to screening methods for identifying agonists and antagonists of polynucleotides and polypeptides of the invention. The present invention further relates to methods and/or compositions for inhibiting or enhancing the production and function of the polypeptides of the present invention.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 19 OF 41 USPATFULL

ACCESSION NUMBER: 2002:280814 USPATFULL  
 TITLE: 22012, a novel human carboxypeptidase  
 INVENTOR(S): Kapeller-Libermann, Rosana, Chestnut Hill, MA, UNITED STATES  
 MacBeth, Kyle J., Boston, MA, UNITED STATES  
 Williamson, Mark, Saugus, MA, UNITED STATES  
 PATENT ASSIGNEE(S): Millennium Pharmaceuticals, Inc. (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002156264	A1	20021024
APPLICATION INFO.:	US 2002-68134	A1	20020206 (10)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1999-345469, filed on 30 Jun 1999, GRANTED, Pat. No. US 6369210		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	ALSTON & BIRD LLP, BANK OF AMERICA PLAZA, 101 SOUTH TRYON STREET, SUITE 4000, CHARLOTTE, NC, 28280-4000		
NUMBER OF CLAIMS:	22		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	10 Drawing Page(s)		
LINE COUNT:	3398		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to a newly identified human carboxypeptidase. The invention also relates to polynucleotides encoding the carboxypeptidase. The invention further relates to methods using the carboxypeptidase polypeptides and polynucleotides as a target for diagnosis and treatment in carboxypeptidase-related disorders. The invention further relates to drug-screening methods using the carboxypeptidase polypeptides and polynucleotides to identify agonists and antagonists for diagnosis and treatment. The invention further encompasses agonists and antagonists based on the carboxypeptidase polypeptides and polynucleotides. The invention further relates to procedures for producing the carboxypeptidase polypeptides and polynucleotides.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 20 OF 41 USPATFULL

ACCESSION NUMBER: 2002:266261 USPATFULL

TITLE: Nucleic acids, proteins, and antibodies

INVENTOR(S): Rosen, Craig A., Laytonsville, MD, UNITED STATES  
Ruben, Steven M., Olney, MD, UNITED STATES  
Barash, Steven C., Rockville, MD, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002147140	A1	20021010
APPLICATION INFO.:	US 2001-764877	A1	20010117 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-179065P	20000131 (60)
	US 2000-180628P	20000204 (60)
	US 2000-214886P	20000628 (60)
	US 2000-217487P	20000711 (60)
	US 2000-225758P	20000814 (60)
	US 2000-220963P	20000726 (60)
	US 2000-217496P	20000711 (60)
	US 2000-225447P	20000814 (60)
	US 2000-218290P	20000714 (60)
	US 2000-225757P	20000814 (60)
	US 2000-226868P	20000822 (60)
	US 2000-216647P	20000707 (60)
	US 2000-225267P	20000814 (60)
	US 2000-216880P	20000707 (60)
	US 2000-225270P	20000814 (60)
	US 2000-251869P	20001208 (60)
	US 2000-235834P	20000927 (60)
	US 2000-234274P	20000921 (60)
	US 2000-234223P	20000921 (60)
	US 2000-228924P	20000830 (60)
	US 2000-224518P	20000814 (60)
	US 2000-236369P	20000929 (60)
	US 2000-224519P	20000814 (60)
	US 2000-220964P	20000726 (60)
	US 2000-241809P	20001020 (60)
	US 2000-249299P	20001117 (60)
	US 2000-236327P	20000929 (60)
	US 2000-241785P	20001020 (60)
	US 2000-244617P	20001101 (60)
	US 2000-225268P	20000814 (60)
	US 2000-236368P	20000929 (60)
	US 2000-251856P	20001208 (60)
	US 2000-251868P	20001208 (60)
	US 2000-229344P	20000901 (60)
	US 2000-234997P	20000925 (60)
	US 2000-229343P	20000901 (60)

US 2000-229345P	20000901 (60)
US 2000-229287P	20000901 (60)
US 2000-229513P	20000905 (60)
US 2000-231413P	20000908 (60)
US 2000-229509P	20000905 (60)
US 2000-236367P	20000929 (60)
US 2000-237039P	20001002 (60)
US 2000-237038P	20001002 (60)
US 2000-236370P	20000929 (60)
US 2000-236802P	20001002 (60)
US 2000-237037P	20001002 (60)
US 2000-237040P	20001002 (60)
US 2000-240960P	20001020 (60)
US 2000-239935P	20001013 (60)

DOCUMENT TYPE: Utility  
FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE,  
ROCKVILLE, MD, 20850  
NUMBER OF CLAIMS: 24  
EXEMPLARY CLAIM: 1  
LINE COUNT: 33677  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel musculoskeletal system related polynucleotides and the polypeptides encoded by these polynucleotides herein collectively known as "musculoskeletal system antigens," and the use of such musculoskeletal system antigens for **detecting** disorders of the musculoskeletal system, particularly the presence of cancer and cancer metastases. More specifically, isolated musculoskeletal system associated nucleic acid molecules are provided encoding novel musculoskeletal system associated polypeptides. Novel musculoskeletal system polypeptides and antibodies that bind to these polypeptides are provided. Also provided are vectors, host cells, and recombinant and synthetic methods for producing human musculoskeletal system associated polynucleotides and/or polypeptides. The invention further relates to diagnostic and therapeutic methods useful for diagnosing, treating, preventing and/or prognosing disorders related to the musculoskeletal system, including cancer of musculoskeletal tissues, and therapeutic methods for treating such disorders. The invention further relates to screening methods for identifying agonists and antagonists of polynucleotides and polypeptides of the invention. The present invention further relates to methods and/or compositions for inhibiting the production and function of the polypeptides of the present invention.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 21 OF 41 USPATFULL  
ACCESSION NUMBER: 2002:265834 USPATFULL  
TITLE: Methods for screening for transdominant intracellular effector peptides and RNA molecules  
INVENTOR(S): Nolan, Garry P., San Francisco, CA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002146710	A1	20021010
APPLICATION INFO.:	US 2001-918601	A1	20010730 (9)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 2000-727715, filed on 28 Nov 2000, PENDING Continuation of Ser. No. US 1997-963368, filed on 13 Nov 1997, PENDING Division of Ser. No. US 1997-789333, filed on 23 Jan 1997, GRANTED, Pat. No. US 6153380 Division of Ser. No. US 1997-787738, filed on 23 Jan 1997, PENDING Division of Ser. No. US 1996-589109, filed on 23 Jan 1996, PENDING Division of Ser. No. US 1996-589911, filed on 23 Jan 1996, ABANDONED		
DOCUMENT TYPE:	Utility		

FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: FLEHR HOHBACH TEST ALBRITTON & HERBERT LLP, Suite 3400,  
Four Embarcadero Center, San Francisco, CA, 94111-4187  
NUMBER OF CLAIMS: 22  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 4 Drawing Page(s)  
LINE COUNT: 3274  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.  
AB Methods and compositions for screening for intracellular transdominant  
effector peptides and RNA molecules selected inside living cells from  
randomized pools are provided.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 22 OF 41 USPATFULL  
ACCESSION NUMBER: 2002:246534 USPATFULL  
TITLE: Methods for screening for transdominant effector  
peptides and RNA molecules  
INVENTOR(S): Nolan, Garry P., San Francisco, CA, United States  
Rothenberg, S. Michael, Palo Alto, CA, United States  
PATENT ASSIGNEE(S): Board of Trustees of the Leland Stanford Junior  
University, Palo Alto, CA, United States (U.S.  
corporation)  
Rigel Pharmaceuticals, Inc., South San Francisco, CA,  
United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6455247	B1	20020924
APPLICATION INFO.:	US 1997-787738		19970123 (8)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1996-589109, filed on 23 Jan 1996, now patented, Pat. No. US 6365344 Continuation-in-part of Ser. No. US 1996-589911, filed on 23 Jan 1996, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	GRANTED		
PRIMARY EXAMINER:	Brusca, John S.		
LEGAL REPRESENTATIVE:	Dorsey & Whitney LLP, Silva, Esq., Robin M., Shyjan, Esq., Anne M.		
NUMBER OF CLAIMS:	13		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	6 Drawing Figure(s); 4 Drawing Page(s)		
LINE COUNT:	3923		
CAS INDEXING IS AVAILABLE FOR THIS PATENT.			
AB	Methods and compositions for screening for transdominant effector peptides and RNA molecules selected inside living cells from randomized pools are provided.		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 23 OF 41 USPATFULL  
ACCESSION NUMBER: 2002:235375 USPATFULL  
TITLE: Methods for screening for transdominant intracellular  
effector peptides and RNA molecules  
INVENTOR(S): Nolan, Garry P., San Francisco, CA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002127564	A1	20020912
APPLICATION INFO.:	US 2001-916940	A1	20010727 (9)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 2000-727715, filed on 28 Nov 2000, PENDING Continuation of Ser. No. US 1997-963368, filed on 13 Nov 1997, PENDING Division of Ser. No. US 1997-789333, filed on 23 Jan 1997, GRANTED, Pat. No. US 6153380 Division of Ser. No. US 1997-787738, filed on 23 Jan 1997, PENDING		

Continuation-in-part of Ser. No. US 1996-589109, filed  
on 23 Jan 1996, PENDING Continuation-in-part of Ser.  
No. US 1996-589911, filed on 23 Jan 1996, ABANDONED

DOCUMENT TYPE: Utility  
FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: FLEHR HOHBACH TEST ALBRITTON & HERBERT LLP, Suite 3400,  
Four Embarcadero Center, San Francisco, CA, 94111-4187  
NUMBER OF CLAIMS: 22  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 4 Drawing Page(s)  
LINE COUNT: 3269  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.  
AB Methods and compositions for screening for intracellular transdominant  
effector peptides and RNA molecules selected inside living cells from  
randomized pools are provided.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 24 OF 41 USPATFULL

ACCESSION NUMBER: 2002:221777 USPATFULL  
TITLE: Nucleic acids, proteins, and antibodies  
INVENTOR(S): Rosen, Craig A., Laytonsville, MD, UNITED STATES  
Ruben, Steven M., Olney, MD, UNITED STATES  
Barash, Steven C., Rockville, MD, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002119919	A1	20020829
APPLICATION INFO.:	US 2001-764855	A1	20010117 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-179065P	20000131 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850	
NUMBER OF CLAIMS:	24	
EXEMPLARY CLAIM:	1	
LINE COUNT:	19514	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel colorectal cancer related polynucleotides and the polypeptides encoded by these polynucleotides herein collectively known as "colorectal cancer antigens," and the use of such colorectal cancer antigens for **detecting** disorders of the colon and/or rectum, particularly the presence of colorectal cancer and colorectal cancer metastases. More specifically, isolated colorectal cancer associated nucleic acid molecules are provided encoding novel colorectal cancer associated polypeptides. Novel colorectal cancer polypeptides and antibodies that bind to these polypeptides are provided. Also provided are vectors, host cells, and recombinant and synthetic methods for producing human colorectal cancer associated polynucleotides and/or polypeptides. The invention further relates to diagnostic and therapeutic methods useful for diagnosing, treating, preventing and/or prognosing disorders related to the colon and/or rectum, including colorectal cancer, and therapeutic methods for treating such disorders. The invention further relates to screening methods for identifying agonists and antagonists of polynucleotides and polypeptides of the invention. The present invention further relates to methods and/or compositions for inhibiting the production and function of the polypeptides of the present invention.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 25 OF 41 USPATFULL

ACCESSION NUMBER: 2002:191539 USPATFULL



TITLE: Full-length human cDNAs encoding potentially secreted proteins

INVENTOR(S): Milne Edwards, Jean-Baptiste Dumas, Paris, FRANCE  
Bougueleret, Lydie, Petit Lancy, SWITZERLAND  
Jobert, Severin, Paris, FRANCE

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002102604	A1	20020801
APPLICATION INFO.:	US 2000-731872	A1	20001207 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 1999-169629P	19991208 (60)
	US 2000-187470P	20000306 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	John Lucas, Ph.D., J.D., Genset Corporation, 10665 Srrento Valley Road, San Diego, CA, 92121-1609	
NUMBER OF CLAIMS:	29	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	5 Drawing Page(s)	
LINE COUNT:	28061	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention concerns GENSET polynucleotides and polypeptides. Such GENSET products may be used as reagents in forensic analyses, as chromosome markers, as tissue/cell/organelle-specific markers, in the production of expression vectors. In addition, they may be used in screening and diagnosis assays for abnormal GENSET expression and/or biological activity and for screening compounds that may be used in the treatment of GENSET-related disorders.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 26 OF 41 USPATFULL

ACCESSION NUMBER: 2002:171923 USPATFULL

TITLE: Nucleic acids, proteins, and antibodies

INVENTOR(S): Rosen, Craig A., Laytonsville, MD, UNITED STATES  
Ruben, Steven M., Olney, MD, UNITED STATES  
Barash, Steven C., Rockville, MD, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002090672	A1	20020711
APPLICATION INFO.:	US 2001-764853	A1	20010117 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-179065P	20000131 (60)
	US 2000-180628P	20000204 (60)
	US 2000-214886P	20000628 (60)
	US 2000-217487P	20000711 (60)
	US 2000-225758P	20000814 (60)
	US 2000-220963P	20000726 (60)
	US 2000-217496P	20000711 (60)
	US 2000-225447P	20000814 (60)
	US 2000-218290P	20000714 (60)
	US 2000-225757P	20000814 (60)
	US 2000-226868P	20000822 (60)
	US 2000-216647P	20000707 (60)
	US 2000-225267P	20000814 (60)
	US 2000-216880P	20000707 (60)
	US 2000-225270P	20000814 (60)
	US 2000-251869P	20001208 (60)
	US 2000-235834P	20000927 (60)
	US 2000-234274P	20000921 (60)

US 2000-234223P	20000921 (60)
US 2000-228924P	20000830 (60)
US 2000-224518P	20000814 (60)
US 2000-236369P	20000929 (60)
US 2000-224519P	20000814 (60)
US 2000-220964P	20000726 (60)
US 2000-241809P	20001020 (60)
US 2000-249299P	20001117 (60)
US 2000-236327P	20000929 (60)
US 2000-241785P	20001020 (60)
US 2000-244617P	20001101 (60)
US 2000-225268P	20000814 (60)
US 2000-236368P	20000929 (60)
US 2000-251856P	20001208 (60)
US 2000-251868P	20001208 (60)
US 2000-229344P	20000901 (60)
US 2000-234997P	20000925 (60)
US 2000-229343P	20000901 (60)
US 2000-229345P	20000901 (60)
US 2000-229287P	20000901 (60)
US 2000-229513P	20000905 (60)
US 2000-231413P	20000908 (60)
US 2000-229509P	20000905 (60)
US 2000-236367P	20000929 (60)
US 2000-237039P	20001002 (60)
US 2000-237038P	20001002 (60)
US 2000-236370P	20000929 (60)
US 2000-236802P	20001002 (60)
US 2000-237037P	20001002 (60)
US 2000-237040P	20001002 (60)
US 2000-240960P	20001020 (60)
US 2000-239935P	20001013 (60)

DOCUMENT TYPE: Utility  
FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE,  
ROCKVILLE, MD, 20850  
NUMBER OF CLAIMS: 24  
EXEMPLARY CLAIM: 1  
LINE COUNT: 35378

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel proteins. More specifically, isolated nucleic acid molecules are provided encoding novel polypeptides. Novel polypeptides and antibodies that bind to these polypeptides are provided. Also provided are vectors, host cells, and recombinant and synthetic methods for producing human polynucleotides and/or polypeptides, and antibodies. The invention further relates to diagnostic and therapeutic methods useful for diagnosing, treating, preventing and/or prognosing disorders related to these novel polypeptides. The invention further relates to screening methods for identifying agonists and antagonists of polynucleotides and polypeptides of the invention. The present invention further relates to methods and/or compositions for inhibiting or enhancing the production and function of the polypeptides of the present invention.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 27 OF 41 USPATFULL  
ACCESSION NUMBER: 2002:165182 USPATFULL  
TITLE: Nucleic acids, proteins, and antibodies  
INVENTOR(S): Rosen, Craig A., Laytonsville, MD, UNITED STATES  
Ruben, Steven M., Olney, MD, UNITED STATES  
Barash, Steven C., Rockville, MD, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002086811	A1	20020704

APPLICATION INFO.: US 2001-764861 A1 20010117 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-179065P	20000131 (60)
	US 2000-180628P	20000204 (60)
	US 2000-214886P	20000628 (60)
	US 2000-217487P	20000711 (60)
	US 2000-225758P	20000814 (60)
	US 2000-220963P	20000726 (60)
	US 2000-217496P	20000711 (60)
	US 2000-225447P	20000814 (60)
	US 2000-218290P	20000714 (60)
	US 2000-225757P	20000814 (60)
	US 2000-226868P	20000822 (60)
	US 2000-216647P	20000707 (60)
	US 2000-225267P	20000814 (60)
	US 2000-216880P	20000707 (60)
	US 2000-225270P	20000814 (60)
	US 2000-251869P	20001208 (60)
	US 2000-235834P	20000927 (60)
	US 2000-234274P	20000921 (60)
	US 2000-234223P	20000921 (60)
	US 2000-228924P	20000830 (60)
	US 2000-224518P	20000814 (60)
	US 2000-236369P	20000929 (60)
	US 2000-224519P	20000814 (60)
	US 2000-220964P	20000726 (60)
	US 2000-241809P	20001020 (60)
	US 2000-249299P	20001117 (60)
	US 2000-236327P	20000929 (60)
	US 2000-241785P	20001020 (60)
	US 2000-244617P	20001101 (60)
	US 2000-225268P	20000814 (60)
	US 2000-236368P	20000929 (60)
	US 2000-251856P	20001208 (60)
	US 2000-251868P	20001208 (60)
	US 2000-229344P	20000901 (60)
	US 2000-234997P	20000925 (60)
	US 2000-229343P	20000901 (60)
	US 2000-229345P	20000901 (60)
	US 2000-229287P	20000901 (60)
	US 2000-229513P	20000905 (60)
	US 2000-231413P	20000908 (60)
	US 2000-229509P	20000905 (60)
	US 2000-236367P	20000929 (60)
	US 2000-237039P	20001002 (60)
	US 2000-237038P	20001002 (60)
	US 2000-236370P	20000929 (60)
	US 2000-236802P	20001002 (60)
	US 2000-237037P	20001002 (60)
	US 2000-237040P	20001002 (60)
	US 2000-240960P	20001020 (60)
	US 2000-239935P	20001013 (60)

DOCUMENT TYPE: Utility  
FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE,  
ROCKVILLE, MD, 20850

NUMBER OF CLAIMS: 24

EXEMPLARY CLAIM: 1

LINE COUNT: 22023

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel proteins. More specifically, isolated nucleic acid molecules are provided encoding novel polypeptides. Novel polypeptides and antibodies that bind to these polypeptides are provided. Also provided are vectors, host cells, and

recombinant and synthetic methods for producing human polynucleotides and/or polypeptides, and antibodies. The invention further relates to diagnostic and therapeutic methods useful for diagnosing, treating, preventing and/or prognosing disorders related to these novel polypeptides. The invention further relates to screening methods for identifying agonists and antagonists of polynucleotides and polypeptides of the invention. The present invention further relates to methods and/or compositions for inhibiting or enhancing the production and function of the polypeptides of the present invention.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 28 OF 41 USPATFULL

ACCESSION NUMBER: 2002:149306 USPATFULL  
TITLE: ADAM polynucleotides, polypeptides, and antibodies  
INVENTOR(S): Shi, Yanggu, Gaithersburg, MD, UNITED STATES  
Ruben, Steven M., Olney, MD, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002077465	A1	20020620
APPLICATION INFO.:	US 2001-945676	A1	20010905 (9)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. WO 2001-US5497, filed on 22 Feb 2001, UNKNOWN		

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-187937P	20000303 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850	
NUMBER OF CLAIMS:	22	
EXEMPLARY CLAIM:	1	
LINE COUNT:	12287	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel human ADAM polypeptides and isolated nucleic acids containing the coding regions of the genes encoding such polypeptides. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human ADAM polypeptides. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating disorders related to these novel human ADAM polypeptides.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 29 OF 41 USPATFULL

ACCESSION NUMBER: 2002:126286 USPATFULL  
TITLE: COMBINATORIAL ENZYMATIC COMPLEXES  
INVENTOR(S): NOLAN, GARRY P., MENLO PARK, CA, UNITED STATES  
PAYAN, DONALD, HILLSBOROUGH, CA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002064798	A1	20020530
APPLICATION INFO.:	US 1997-873601	A1	19970612 (8)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	FLEHR HOHBACH TEST ALBRITTON & HERBERT, FOUR EMBARCADERO CENTER, SUITE 3400, SAN FRANCISCO, CA, 941114187		
NUMBER OF CLAIMS:	26		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	6 Drawing Page(s)		
LINE COUNT:	2248		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention relates to the formation of novel in vivo combinatorial enzyme complexes for use in screening candidate drug agents for bioactivity. PATENT

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 30 OF 41 USPATFULL

ACCESSION NUMBER: 2002:122764 USPATFULL  
TITLE: Nucleic acid molecules encoding human **protease** homologs  
INVENTOR(S): Robison, Keith E., Wilmington, MA, United States  
PATENT ASSIGNEE(S): Millennium Pharmaceuticals, Inc., Cambridge, MA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6395889	B1	20020528
APPLICATION INFO.:	US 1999-392184		19990909 (9)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	GRANTED		
PRIMARY EXAMINER:	Achutamurthy, Ponnathapu		
ASSISTANT EXAMINER:	Moore, William W.		
LEGAL REPRESENTATIVE:	Alston & Bird LLP		
NUMBER OF CLAIMS:	1		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	0 Drawing Figure(s); 0 Drawing Page(s)		
LINE COUNT:	5266		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention relates to polynucleotides encoding newly identified **protease** homologs. The invention also relates to the **proteases**. The invention further relates to methods using the **protease** polypeptides and polynucleotides as a target for diagnosis and treatment in **protease**-mediated disorders. The invention further relates to drug-screening methods using the **protease** polypeptides and polynucleotides to identify agonists and antagonists for diagnosis and treatment. The invention further encompasses agonists and antagonists based on the **protease** polypeptides and polynucleotides. The invention further relates to procedures for producing the **protease** polypeptides and polynucleotides.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 31 OF 41 USPATFULL

ACCESSION NUMBER: 2002:119538 USPATFULL  
TITLE: Nucleic acids, proteins, and antibodies  
INVENTOR(S): Rosen, Craig A., Laytonsville, MD, UNITED STATES  
Ruben, Steven M., Olney, MD, UNITED STATES  
Barash, Steven C., Rockville, MD, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002061521	A1	20020523
APPLICATION INFO.:	US 2001-764869	A1	20010117 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-179065P	20000131 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850	
NUMBER OF CLAIMS:	24	
EXEMPLARY CLAIM:	1	
LINE COUNT:	27967	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel cardiovascular system related polynucleotides and the polypeptides encoded by these polynucleotides herein collectively known as "cardiovascular system antigens," and the use of such cardiovascular system antigens for **detecting** disorders of the cardiovascular system, particularly the presence of cancer of cardiovascular system tissues and cancer metastases. More specifically, isolated cardiovascular system associated nucleic acid molecules are provided encoding novel cardiovascular system associated polypeptides. Novel cardiovascular system polypeptides and antibodies that bind to these polypeptides are provided. Also provided are vectors, host cells, and recombinant and synthetic methods for producing human cardiovascular system associated polynucleotides and/or polypeptides. The invention further relates to diagnostic and therapeutic methods useful for diagnosing, treating, preventing and/or prognosing disorders related to the cardiovascular system, including cancer of cardiovascular system tissues, and therapeutic methods for treating such disorders. The invention further relates to screening methods for identifying agonists and antagonists of polynucleotides and polypeptides of the invention. The present invention further relates to methods and/or compositions for inhibiting the production and function of the polypeptides of the present invention.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 32 OF 41 USPATFULL

ACCESSION NUMBER: 2002:75569 USPATFULL  
TITLE: 22012, human carboxypeptidase  
INVENTOR(S): Kapeller-Libermann, Rosana, Chestnut Hill, MA, United States  
MacBeth, Kyle J., Boston, MA, United States  
Williamson, Mark, Saugus, MA, United States  
PATENT ASSIGNEE(S): Millennium Pharmaceuticals, Inc., Cambridge, MA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6369210	B1	20020409
APPLICATION INFO.:	US 1999-345469		19990630 (9)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	GRANTED		
PRIMARY EXAMINER:	Caputa, Anthony C.		
ASSISTANT EXAMINER:	Harris, Alana M.		
LEGAL REPRESENTATIVE:	Alston & Bird LLP		
NUMBER OF CLAIMS:	5		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	8 Drawing Figure(s); 10 Drawing Page(s)		
LINE COUNT:	3275		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to a newly identified human carboxypeptidase. The invention also relates to polynucleotides encoding the carboxypeptidase. The invention further relates to methods using the carboxypeptidase polypeptides and polynucleotides as a target for diagnosis and treatment in carboxypeptidase-related disorders. The invention further relates to drug-screening methods using the carboxypeptidase polypeptides and polynucleotides to identify agonists and antagonists for diagnosis and treatment. The invention further encompasses agonists and antagonists based on the carboxypeptidase polypeptides and polynucleotides. The invention further relates to procedures for producing the carboxypeptidase polypeptides and polynucleotides.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 33 OF 41 USPATFULL

ACCESSION NUMBER: 2002:55159 USPATFULL  
TITLE: STREPTOCOCCUS PNEUMONIAE POLYNUCLEOTIDES AND SEQUENCES

INVENTOR(S) : KUNSCH, CHARLES A., GAITHERSBURG, MD, UNITED STATES  
 CHOI, GIL H., ROCKVILLE, MD, UNITED STATES  
 DILLON, PATRICK J., CARLSBAD, CA, UNITED STATES  
 ROSEN, CRAIG A., LAYTONSVILLE, MD, UNITED STATES  
 BARASH, STEVEN C., ROCKVILLE, MD, UNITED STATES  
 FANNON, MICHAEL R., SILVER SPRING, MD, UNITED STATES  
 DOUGHERTY, BRIAN A., MT. AIRY, MD, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002032323	A1	20020314
	US 6420135	B2	20020716
APPLICATION INFO.:	US 1997-961527	A1	19971030 (8)

	NUMBER	DATE
PRIORITY INFORMATION:	US 1996-29960P	19961031 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850	
NUMBER OF CLAIMS:	20	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	2 Drawing Page(s)	
LINE COUNT:	7752	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention provides polynucleotide sequences of the genome of *Streptococcus pneumoniae*, polypeptide sequences encoded by the polynucleotide sequences, corresponding polynucleotides and polypeptides, vectors and hosts comprising the polynucleotides, and assays and other uses thereof. The present invention further provides polynucleotide and polypeptide sequence information stored on computer readable media, and computer-based systems and methods which facilitate its use.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 34 OF 41 USPATFULL  
 ACCESSION NUMBER: 2001:231174 USPATFULL  
 TITLE: **Protease** homologs  
 INVENTOR(S): Robison, Keith E., Wilmington, MA, United States  
 PATENT ASSIGNEE(S): Millennium Pharmaceuticals, Inc., Cambridge, MA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6331427	B1	20011218
APPLICATION INFO.:	US 1999-280116		19990326 (9)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	GRANTED		
PRIMARY EXAMINER:	Murthy, Ponnathapu Achuta		
ASSISTANT EXAMINER:	Moore, William W.		
LEGAL REPRESENTATIVE:	Alston & Bird LLP		
NUMBER OF CLAIMS:	7		
EXEMPLARY CLAIM:	1		
LINE COUNT:	3346		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention relates to polynucleotides encoding newly identified **protease** homologs belonging to the superfamily of G-protein-coupled **proteases**. The invention also relates to the **proteases**. The invention further relates to methods using the **protease** polypeptides and polynucleotides as a target for diagnosis and treatment in **protease**-mediated disorders. The invention further relates to drug-screening methods using the **protease** polypeptides and polynucleotides to identify agonists and antagonists for diagnosis and treatment. The invention further

encompasses agonists and antagonists based on the **protease** polypeptides and polynucleotides. The invention further relates to procedures for producing the **protease** polypeptides and polynucleotides.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 35 OF 41 USPATFULL

ACCESSION NUMBER: 2001:194124 USPATFULL  
TITLE: Combinatorial enzymatic complexes  
INVENTOR(S): Nolan, Garry P., Menlo Park, CA, United States  
Payan, Donald, Hillsborough, CA, United States  
PATENT ASSIGNEE(S): Rigel Pharmaceuticals, Inc. (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2001036638	A1	20011101
APPLICATION INFO.:	US 2001-789652	A1	20010220 (9)
RELATED APPLN. INFO.:	Division of Ser. No. US 1997-873601, filed on 12 Jun 1997, PENDING		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	FLEHR HOHBACH TEST, ALBRITTON & HERBERT LLP, Suite 3400, Four Embarcadero Center, San Francisco, CA, 94111-4187		
NUMBER OF CLAIMS:	26		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	5 Drawing Page(s)		
LINE COUNT:	2249		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention relates to the formation of novel in vivo combinatorial enzyme complexes for use in screening candidate drug agents for bioactivity.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 36 OF 41 USPATFULL

ACCESSION NUMBER: 2001:152503 USPATFULL  
TITLE: Methods for laundry using polycations and enzymes  
INVENTOR(S): Johansen, Charlotte, Holte, Denmark  
PATENT ASSIGNEE(S): Novozymes A/S, Bagsvaerd, Denmark (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6287585	B1	20010911
APPLICATION INFO.:	US 1998-143622		19980828 (9)
RELATED APPLN. INFO.:	Continuation of Ser. No. WO 1997-DK98, filed on 5 Mar 1997		

	NUMBER	DATE
PRIORITY INFORMATION:	DK 1996-262	19960306
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	GRANTED	
PRIMARY EXAMINER:	Page, Thurman K.	
ASSISTANT EXAMINER:	Seidleck, Brian K.	
LEGAL REPRESENTATIVE:	Lambiris, Elias J., Garbell, John I.	
NUMBER OF CLAIMS:	8	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	2 Drawing Figure(s); 2 Drawing Page(s)	
LINE COUNT:	1892	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention provides a method of killing or inhibiting the growth of microbial cells present on laundry, comprising contacting the cells with a composition comprising a poly-cationic compound, preferably



a polyamino acid, a polyvinylamine, a copolymer prepared from vinylamine and one or more carboxylic acid anhydrides, e.g. a polymer comprising 0.1-100 mol % vinyl amine or ethyleneimine units, 0-99.9 mol % units of at least one monomer selected from N-vinylcarboxamides of the formula I ##STR1##

wherein R.sup.1 and R.sup.2 are hydrogen or C.sub.1 -C.sub.6 -alkyl;

vinyl formate, vinyl acetate, vinyl propionate, vinyl alcohol, C.sub.1 -C.sub.6 -alkyl vinyl ether, mono ethylenic unsaturated C.sub.3 -C.sub.8 -carboxylic acid, and esters, nitrites, amides and anhydrides thereof, N-vinylurea, N-imidazoles and N-vinyl imidazolines; and

0-5 mol % units of monomers having at least two unsaturated ethylenic double bonds;

and one or more enzymes, preferably glycanases, muranases, oxidoreductases, glucanases, **proteases**, amylases, lipases, pectinases and xylanases.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 37 OF 41 USPATFULL

ACCESSION NUMBER: 2001:91501 USPATFULL  
TITLE: Green **fluorescent** protein fusions with random peptides  
INVENTOR(S): Anderson, David, San Bruno, CA, United States  
Bogenberger, Jakob Maria, Menlo Park, CA, United States  
PATENT ASSIGNEE(S): Rigel Pharmaceuticals, Inc. (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2001003650	A1	20010614
APPLICATION INFO.:	US 2000-749959	A1	20001227 (9)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1998-169015, filed on 8 Oct 1998, GRANTED, Pat. No. US 6180343		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	Robin M. Silva, FLEHR HOHBACH TEST ALBRITTON & HERBERT LLP, Suite 3400, Four Embarcadero Center, San Francisco, CA, 94111-4187		
NUMBER OF CLAIMS:	25		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	3 Drawing Page(s)		
LINE COUNT:	2537		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention relates to the use of **fluorescent** proteins, particularly green **fluorescent** protein (GFP), in fusion constructs with random and defined peptides and peptide libraries, to increase the cellular expression levels, decrease the cellular catabolism, increase the conformational stability relative to linear peptides, and to increase the steady state concentrations of the random peptides and random peptide library members expressed in cells for the purpose of **detecting** the presence of the peptides and screening random peptide libraries. N-terminal, C-terminal, dual N- and C-terminal and one or more internal fusions are all contemplated. Novel fusions utilizing self-binding peptides to create a conformationally stabilized fusion domain are also contemplated.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 38 OF 41 USPATFULL

ACCESSION NUMBER: 2001:14201 USPATFULL  
TITLE: Green **fluorescent** protein fusions with random peptides  
INVENTOR(S): Anderson, David, San Bruno, CA, United States

PATENT ASSIGNEE(S): Bogenberger, Jakob Maria, Menlo Park, CA, United States  
Rigel Pharmaceuticals, Inc., S. San Francisco, CA,  
United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6180343	B1	20010130
APPLICATION INFO.:	US 1998-169015		19981008 (9)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Brusca, John S.		
LEGAL REPRESENTATIVE:	Flehr Hohbach Test Albritton & Herbert LLP		
NUMBER OF CLAIMS:	21		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	7 Drawing Figure(s); 3 Drawing Page(s)		
LINE COUNT:	2522		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention relates to the use of **fluorescent** proteins, particularly green **fluorescent** protein (GFP), in fusion constructs with random and defined peptides and peptide libraries, to increase the cellular expression levels, decrease the cellular catabolism, increase the conformational stability relative to linear peptides, and to increase the steady state concentrations of the random peptides and random peptide library members expressed in cells for the purpose of **detecting** the presence of the peptides and screening random peptide libraries. N-terminal, C-terminal, dual N- and C-terminal and one or more internal fusions are all contemplated. Novel fusions utilizing self-binding peptides to create a conformationally stabilized fusion domain are also contemplated.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 39 OF 41 USPATFULL

ACCESSION NUMBER: 2000:160777 USPATFULL  
TITLE: Methods for screening for transdominant intracellular effector peptides and RNA molecules  
INVENTOR(S): Nolan, Garry P., Palo Alto, CA, United States  
Rothenberg, S. Michael, Palo Alto, CA, United States  
PATENT ASSIGNEE(S): Rigel Pharmaceuticals, Inc., Sunnyvale, CA, United States (U.S. corporation)  
The Board of Trustees for the Leland Stanford Junior University, Palo Alto, CA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6153380		20001128
APPLICATION INFO.:	US 1997-789333		19970123 (8)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1996-589108, filed on 23 Jan 1996, now abandoned And a continuation of Ser. No. US 1996-589911, filed on 23 Jan 1996, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Chan, Christina Y.		
ASSISTANT EXAMINER:	VanderVegt, F. Pierre		
LEGAL REPRESENTATIVE:	Flehr Hohbach Test Albritton & Herbert LLP, Silva, Robin M.		
NUMBER OF CLAIMS:	27		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	4 Drawing Figure(s); 4 Drawing Page(s)		
LINE COUNT:	4104		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Methods and compositions for screening for intracellular transdominant effector peptides and RNA molecules selected inside living cells from randomized pools are provided.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 40 OF 41 USPATFULL

ACCESSION NUMBER: 2000:101876 USPATFULL  
TITLE: Parasitic helminth PLA2 proteins  
INVENTOR(S): Grieve, Robert B., Fort Collins, CO, United States  
Frank, Glenn R., Wellington, CO, United States  
Wisniewski, Nancy, Ft. Collins, CO, United States  
PATENT ASSIGNEE(S): Heska Corporation, Ft. Collins, CO, United States (U.S. corporation)  
Colorado State University Research Foundation, Ft. Collins, CO, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6099843		20000808
APPLICATION INFO.:	US 1995-483474		19950607 (8)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1995-408120, filed on 20 Mar 1995, now patented, Pat. No. US 5804200 which is a continuation of Ser. No. US 1993-3257, filed on 12 Jan 1993, now abandoned which is a continuation-in-part of Ser. No. US 1991-654226, filed on 12 Feb 1991, now abandoned And a continuation-in-part of Ser. No. US 1994-225479, filed on 8 Apr 1994, now abandoned And a continuation-in-part of Ser. No. US 1993-101283, filed on 3 Aug 1993, now abandoned , said Ser. No. US 654226 And a continuation-in-part of Ser. No. WO 1994-US679, filed on 12 Jan 1994 , said Ser. No. US 3257 which is a continuation-in-part of Ser. No. US 1993-3389, filed on 12 Jan 1993, now abandoned which is a continuation-in-part of Ser. No. US 1993-109391, filed on 19 Aug 1993, now patented, Pat. No. US 5639876		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Minnifield, Nita		
ASSISTANT EXAMINER:	Masood, Khalid		
LEGAL REPRESENTATIVE:	Sheridan Ross P.C.		
NUMBER OF CLAIMS:	13		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	12 Drawing Figure(s); 13 Drawing Page(s)		
LINE COUNT:	4190		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to parasitic helminth PLA2 proteins; to parasitic helminth PLA2 nucleic acid molecules, including those that encode such proteins; to antibodies raised against such proteins; and to compounds that inhibit parasitic helminth phospholipase A.sub.2 activity. The present invention also includes methods to obtain such proteins, nucleic acid molecules, antibodies, and inhibitors. Also included in the present invention are therapeutic compositions comprising such proteins, nucleic acid molecules, antibodies, and/or inhibitors as well as the use of such therapeutic compositions to protect animals from diseases caused by parasitic helminths.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 41 OF 41 USPATFULL

ACCESSION NUMBER: 2000:57576 USPATFULL  
TITLE: Parasitic helminth PLA2 proteins and nucleic acid molecules  
INVENTOR(S): Grieve, Robert B., Fort Collins, CO, United States  
Frank, Glenn R., Wellington, CO, United States  
Wisniewski, Nancy, Ft. Collins, CO, United States  
PATENT ASSIGNEE(S): Heska Corporation, Ft. Collins, CO, United States (U.S. corporation)  
Colorado State University Research Foundation, Ft. Collins, CO, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6060281		20000509
APPLICATION INFO.:	US 1995-482304		19950607 (8)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1995-408120, filed on 20 Mar 1995, now patented, Pat. No. US 5804200 which is a continuation of Ser. No. US 1993-3257, filed on 12 Jan 1993, now abandoned which is a continuation-in-part of Ser. No. US 1991-654226, filed on 12 Feb 1991, now abandoned And a continuation-in-part of Ser. No. US 1994-225479, filed on 8 Apr 1994, now abandoned And a continuation-in-part of Ser. No. US 1993-101283, filed on 3 Aug 1993, now abandoned which is a continuation of Ser. No. US 654226 And a continuation-in-part of Ser. No. WO 1994-US679, filed on 12 Jan 1994, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Minnifield, Nita		
ASSISTANT EXAMINER:	Masood, Khalid		
LEGAL REPRESENTATIVE:	Sheridan Ross P.C.		
NUMBER OF CLAIMS:	10		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	12 Drawing Figure(s); 13 Drawing Page(s)		
LINE COUNT:	4349		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to parasitic helminth PLA2 proteins; to parasitic helminth PLA2 nucleic acid molecules, including those that encode such proteins; to antibodies raised against such proteins; and to compounds that inhibit parasitic helminth phospholipase A.sub.2 activity. The present invention also includes methods to obtain such proteins, nucleic acid molecules, antibodies, and inhibitors. Also included in the present invention are therapeutic compositions comprising such proteins, nucleic acid molecules, antibodies, and/or inhibitors as well as the use of such therapeutic compositions to protect animals from diseases caused by parasitic helminths.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

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